



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.


Header @ 3

[List View](#)

General Information | Contact | Default Values | Discount | Document Information

Procurement Folder: 564859

Procurement Type: Statewide MA (Open End)

Vendor ID: 000000208717 

Legal Name: MATTHEWS LUBRICANTS INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 04/05/2019 

Response Time: 12:35

SO Doc Code: CRFQ

SO Dept: 0212

SO Doc ID: SWC1900000011

Published Date: 3/29/19

Close Date: 4/5/19

Close Time: 13:30

Status: Closed

Solicitation Description: ADDENDUM_1: OIL19 - SWC for: Oils, Lubricants, & Grease

Total of Header Attachments: 3

Total of All Attachments: 3



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 564859

Solicitation Description : ADDENDUM_1: OIL19 - SWC for: Oils, Lubricants, & Grease

Proc Type : Statewide MA (Open End)

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-04-05 13:30:00	SR 0212 ESR04051900000004601	1

VENDOR
000000208717 MATTHEWS LUBRICANTS INC

Solicitation Number: CRFQ 0212 SWC1900000011

Total Bid : \$0.00 **Response Date:** 2019-04-05 **Response Time:** 12:35:52

Comments:

FOR INFORMATION CONTACT THE BUYER
 Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Oils, Lubricants, & Grease: Use Exhibit_A Pricing Page	0.00000	EA	\$0.000000	\$0.00

Comm Code	Manufacturer	Specification	Model #
15120000			

Extended Description :

Note: Vendor shall use Exhibit_A Pricing Pages for bid pricing.
 If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.
 Vendor shall enter pricing into the Exhibit_A Pricing Pages and must attach with bid.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
LINE ITEM	DESCRIPTION	UNIT OF MEASURE (SIZE/WT) (for information use only and not to be used for calculations)	MANUFACTURER	BRAND BID	ESTIMATED QTY.	UNIT PRICE	Unit of Measure (For calculation purposes only)	EXTENDED PRICE
3.1.1 2-CYCLE MOTOR OIL - Chainsaw, Power Mowers, Pumps, & Snowmobiles								
1	Motor oil for lubricating 2 cycle engines in 8 oz. containers (chain saw motor oil) - API TC or equal	8 oz.	Warren Oil	Itasca Outdoors 2-Cycle Oil	1800	\$ 0.25	1 oz.	\$ 450.00
3.1.2 OUTBOARD MOTOR OIL								
2	Motor oil for lubricating 2 cycle engines (outboard motor oil) - API TC-W3 or equal	1 qt.	Warren Oil	Itasca Marine 2-Cycle TC-W	1300	\$ 3.25	1 qt.	\$ 4,225.00
3.1.3 MOTOR OIL SAE (Gas and/or Diesel)								
3	Motor oil SAE30 - CF-4, CF-2 CF/SJ	1 qt.	Phillips 66	TSX Heavy Duty 30	1000	\$ 3.50	1 qt.	\$ 3,500.00
4	Motor oil SAE15W40 - CI-4 CF/SJ CI-4, CI-4 PLUS, CH-4, CK-4	1 qt.	Hicks Oil	Formula 500	100,000	\$ 2.50	1 qt.	\$ 250,000.00
5	Motor oil SAE15W40 - CI-4 CF/SJ CI-4, CI-4 PLUS, CH-4, CK-4	1 gal	Hicks Oil	Formula 500	10,000	\$ 9.75	1 gal.	\$ 97,500.00
6	Motor oil SAE15W40 - CI-4, CI-4 PLUS, CH-4, CF-4/SN, SM, CK-4	55 gal. drum	AIOD	Service Pro HD S/B 15w40	1210	\$ 7.00	1 gal.	\$ 8,470.00
7	Motor oil SAE15W40 - BULK CI-4, CI-4PLUS, CH-4, CF-4/SN, SM, CK-4	BULK 6,000 gallon	AIOD	Service Pro HD S/B 15w40	6000	\$ 6.50	1 gal.	\$ 39,000.00
8	Motor oil SAE15W40 - FA-4	1 qt.	Hicks Oil	Formula 500	1000	\$ 2.50	1 qt.	\$ 2,500.00
9	Motor oil SAE15W40 - FA-4	1 gal.	Hicks Oil	Formula 500	1000	\$ 9.75	1 gal.	\$ 9,750.00
10	Motor oil SAE15W40 - BULK - FA-4	55 gal. drum	AIOD	Service Pro HD S/B 15w40	385	\$ 7.00	1 gal.	\$ 2,695.00
11	Motor oil SAE10 - CF/SN CAT TO-2, ALLISON C-4 or equal	5 gallon	Purus	Purus TO-4 SAE 10W	2400	\$ 8.50	1 gal.	\$ 20,400.00
12	Motor oil SAE10 - CF/SN CAT TO-2, ALLISON C-4 or equal	55 gal. drum	Purus	Purus TO-4 SAE 10W	550	\$ 7.80	1 gal.	\$ 4,290.00
13	Motor oil 0W20 - GM Dexos approved or Equal	1 qt	AIOD	Service Pro Dexos 1 0w20	1500	\$ 3.05	1 qt.	\$ 4,575.00
14	Motor oil 0W20 - GM Dexos approved or Equal	5 qt	AIOD	Service Pro Dexos 1 0w20	1000	\$ 2.75	1 qt.	\$ 2,750.00
15	Motor oil 5W20 - CF/SN SM, SJ, ILSAC GF-5	1 qt.	AIOD	Service Pro S/B 5w20	5000	\$ 2.75	1 qt.	\$ 13,750.00
16	Motor oil 5W20 - Synthetic Blend CF/SN SM, SJ, ILSAC GF-5	1 qt.	AIOD	Service Pro S/B 5w20	5000	\$ 2.75	1 qt.	\$ 13,750.00
17	Motor oil 5W20 - Synthetic Blend - BULK - CF/SN SM, SJ, ILSAC GF-5	55 gal. drum	AIOD	Service Pro S/B 5w20	550	\$ 5.50	1 gal.	\$ 3,025.00
18	Motor oil 5W30 - CF/SN ILSAC GF-5	1 qt.	AIOD	Service Pro S/B 5w30	7500	\$ 2.75	1 qt.	\$ 20,625.00
19	Motor oil 5W30 - Synthetic Blend CF/SN ILSAC GF-5	1 qt.	AIOD	Service Pro S/B 5w30	7500	\$ 2.75	1 qt.	\$ 20,625.00
20	Motor oil 5W30 - Synthetic Blend - BULK - CF/SN SM, SJ, ILSAC GF-5	55 gal. drum	AIOD	Service Pro S/B 5w30	550	\$ 5.50	1 gal.	\$ 3,025.00
21	Motor oil 5W30 - GM Dexos approved or Equal	1 qt	AIOD	Service Pro S/B Dexos 1 5w	1000	\$ 3.07	1 qt.	\$ 3,070.00
22	Motor oil 5W30 - GM Dexos approved or Equal	5 qt	AIOD	Service Pro S/B Dexos 1 5w	1000	\$ 3.00	1 qt.	\$ 3,000.00
23	Motor oil 10W30 - CF/SN SM, SJ, ILSAC GF-5	1 qt.	AIOD	Service Pro S/B 10w30	20000	\$ 2.75	1 qt.	\$ 55,000.00
24	Motor oil 10W30 Motorcraft Super Duty or Equal (must meet WSS-M2C171-F1, CES20086, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	1 qt.	P66	Fleet Supreme EC 10w30	5000	\$ 3.50	1 qt.	\$ 17,500.00
25	Motor oil 10W30 Motorcraft Super Duty or Equal (must meet WSS-M2C171-F1, CES20086, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	5 qt.	P66	Fleet Supreme EC 10w30	1000	\$ 3.50	1 qt.	\$ 3,500.00
26	Motor oil 10W30 - BULK - Motorcraft Super Duty or Equal (must meet WSS-M2C171-F1, CES20086, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	55 gal. drum	P66	Fleet Supreme EC 10w30	330	\$ 11.82	1 gal.	\$ 3,900.60
27	Motor oil 10W30 - Diesel Engine Service SB (synthetic blend)	1 qt.	Purus	Purus S/B HD 10w30	350	\$ 3.50	1 qt.	\$ 1,225.00
28	Motor oil 10W30 - Diesel Engine Service SB (synthetic blend)	5 qt.	Purus	Purus S/B HD 10w30	500	\$ 3.50	1 qt.	\$ 1,750.00
29	Motor oil 10W30 - FA-4	1 qt.	AIOD	Service Pro S/B 10w30	1000	\$ 2.75	1 qt.	\$ 2,750.00
30	Motor oil 10W30 - FA-4	1 gal.	AIOD	Service Pro S/B 10w30	500	\$ 10.92	1 gal.	\$ 5,460.00
31	Motor oil 10W40 - CF/SN	1 qt.	AOID	Service Pro 10w40	500	\$ 2.50	1 qt.	\$ 1,250.00
32	Motor oil 20W50 - CF/SN	1 qt.	Kendall	Kendall GT-1 S/B HP 20w50	500	\$ 3.50	1 qt.	\$ 1,750.00
33	Synthetic motor oil SAE 5W40 - CF/SN	1 qt.	Purus	Purus Full Syn 5w40	500	\$ 4.01	1 qt.	\$ 2,006.25
34	Synthetic motor oil SAE 5W40 - CF/SN	1 gal.	Purus	Purus Full Syn 5w40	500	\$ 16.05	1 gal.	\$ 8,025.00
35	Synthetic motor oil SAE 10W30 - CF/SN	1 qt.	Mobil	Super Syn 10w30	500	\$ 4.82	1 qt.	\$ 2,410.00
36	Synthetic motor oil SAE 5W40 - CI-4, CH-4/SN	1 qt.	AIOD	Service Pro F/S 5w40	100	\$ 6.88	1 qt.	\$ 688.00
3.1.4 EXTREME PRESSURE (EP) GEAR LUBRICANT								
37	Extreme pressure gear lubricant 80W90 GL-5, MT-1, MACK GO-J or equal	35 lb.	AIOD	Service Pro 80w90	280	\$ 1.35	1 lb.	\$ 378.00
38	Extreme pressure gear lubricant 80W90 GL-5, MT-1, MACK GO-J or equal	120 lb.	AIOD	Service Pro 80w90	3360	\$ 1.35	1 lb.	\$ 4,536.00
39	Extreme pressure gear lubricant 85W140 GL-5, MT-1, MACK GO-J or equal	120 lb.	AIOD	Service Pro 85w140	720	\$ 1.35	1 lb.	\$ 972.00
3.1.5 GEAR LUBRICANT								
40	Gear Lubricant - mineral gear lube 90 GL-1	35 lb.	Mobil	Mobil Trans HD50	385	\$ 2.00	1 lb.	\$ 770.00
3.1.6 SYNTHETIC LUBRICANT								
41	SAESO Powertranz EW 50 EATON PS-164, R7 MACK GO-A PLUS NAVISTAR TMS 6816 or equal	35 lb.	Allegheny Petroleum	Fleetguard F/S MTL CD 50	350	\$ 2.50	1 lb.	\$ 875.00
3.1.7 WHEEL BEARING & CHASSIS GREASE								
42	Wheel bearing and chassis grease summer weight NLGI #2	14 to 14-1/2 oz. tubes	Purus	Purus Alletor HD Red Greas	2500	\$ 0.27	1 oz.	\$ 675.00
43	Wheel bearing and chassis grease summer weight NLGI #2	35 lb.	Purus	Purus Alletor HD Red Greas	250	\$ 2.25	1 lb.	\$ 562.50
44	Wheel bearing and chassis grease summer weight NLGI #2	120 lb.	Purus	Purus Alletor HD Red Greas	1200	\$ 2.18	1 lb.	\$ 2,616.00
3.1.8 ALL PURPOSE GREASE (MOLY):								
45	All purpose grease (3% molly) water and heat resistant grease NGLI #2	14 to 14-1/2 oz. tubes	Purus	Purus Alletor HD Hi-Temp N	120	\$ 0.25	1 oz.	\$ 30.00
46	All purpose grease (3% molly) water and heat resistant grease NGLI #2	35 lb.	Purus	Purus Alletor HD Hi-Temp N	200	\$ 2.35	1 lb.	\$ 470.00
47	All purpose grease (3% molly) water and heat resistant grease NGLI #2	120 lb.	Purus	Purus Alletor HD Hi-Temp N	240	\$ 2.31	1 lb.	\$ 554.40

3.1.9 HYDRAULIC OIL (HYDRAULIC HOIST OIL):								
48	Hydraulic oil-light weight RO22 Turbine/Circulating Oil	5 gal.	Oil Service	Prestige R&O 22	50	\$ 10.00	1 gal.	\$ 500.00
49	Hydraulic oil-light weight (AW32)	5 gal.	Oil Service	Prestige AW 32	400	\$ 5.75	1 gal.	\$ 2,300.00
50	Hydraulic oil-light weight (AW32)	55 gal. drum	Oil Service	Prestige AW 32	110	\$ 4.58	1 gal.	\$ 503.80
51	Hydraulic oil-medium weight (AW46)	5 gal.	Oil Service	Prestige AW 46	35	\$ 5.75	1 gal.	\$ 201.25
52	Hydraulic oil-medium weight (AW46)	55 gal. drum	Oil Service	Prestige AW 46	110	\$ 4.68	1 gal.	\$ 514.80
53	Hydraulic oil-heavy weight (AW68)	5 gal.	Oil Service	Prestige AW 68	200	\$ 5.85	1 gal.	\$ 1,170.00
54	Hydraulic oil-heavy weight (AW68)	55 gal. drum	Oil Service	Prestige AW 68	880	\$ 4.80	1 gal.	\$ 4,224.00
3.1.10 CATAPILLAR HYDRAULIC OIL								
55	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	5 gal	Mobil	Tran HD 10w	120	\$ 11.50	1 gal.	\$ 1,380.00
56	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	55 gal. drum	Mobil	Tran HD 10w	6,600	\$ 10.00	1 gal.	\$ 66,000.00
3.1.11 TRANSMISSION FLUID								
57	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	1 qt.	Service Pro	Multi-Purpose ATF	22000	\$ 2.20	1 qt.	\$ 48,400.00
58	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	55 gal. drum	Service Pro	Multi-Purpose ATF	495	\$ 6.28	1 gal.	\$ 3,108.60
59	Transmission fluid - CAT T0-4 , Allison C-4, or Equal	5 gal.	AIOD	Purus TO-4 Drive Train 30	350	\$ 9.35	1 gal.	\$ 3,272.50
60	Transmission fluid - CAT T0-4 , Allison C-4, or Equal	55 gal. drum	AIOD	Purus TO-4 Drive Train 30	605	\$ 8.35	1 gal.	\$ 5,051.75
61	Automatic Transmission Fluid Multi-Vehicle ATF API DEXRON III, MERCON, MERCON V , ATF+3 ATF+4 or equal	1 qt.	AIOD	Service Pro Premium Multi	1000	\$ 3.50	1 qt.	\$ 3,500.00
62	Transmission fluid - Dexron -VI-ATF or equal	1 qt.	Mobil	Mobil Dexron VI ATF	120	\$ 4.95	1 qt.	\$ 594.00
63	TES - 295 Alison TES-295 Fluid BP Autran or Equal	1 qt.	Mobil	Delvac Syn ATF	30	\$ 9.43	1 qt.	\$ 282.90
64	Automatic Transmission Fluid - MOTORCRAFT MERCON LV or equal	1 qt.	Motorcraft	Mercon LV	30	\$ 6.50	1 qt.	\$ 195.00
65	Automatic Transmission Fluid - MOTORCRAFT MERCON SP or equal	1 qt.	Motorcraft	Mercon SP	30	\$ 9.50	1 qt.	\$ 285.00
66	Transmission Fluid - VALVOLINE CVT FLUID or equal	1 qt.	AIOD	Service Pro Univ. CVT Fluid	30	\$ 5.80	1 qt.	\$ 174.00
3.1.12 COMBINATION FLUID								
67	Combination Fluid: Hydraulic/Transmission Oil: HY-GARD Transmission Oil or equal	5 gal.	AIOD	Service Pro Univ. TH Fluid	250	\$ 6.75	1 gal.	\$ 1,687.50
68	Combination Fluid: Hydraulic/Transmission Oil: HY-GARD Transmission Oil or equal	55 gal. drum	AIOD	Service Pro Univ. TH Fluid	20900	\$ 6.50	1 gal.	\$ 135,850.00
3.1.13 RAILROAD DIESEL ENGINE OIL								
69	Railroad diesel engine oil must be a generation 5 oil as designated by (LMOA) EMD approved	55 gal. drum	American Refining	ARG DDS Plus 9124 FM 40	880	\$ 8.75	1 gal.	\$ 7,700.00
3.1.14 SYNTHETIC MULTIPURPOSE GEAR LUBRICANT								
70	75W90 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, REV. C, EATON E500, MACK GO J PLUS or equal	35 lb.	Phillips 66	Kendall SHP Synthetic 75W-	700	\$ 5.31	1 lb.	\$ 3,717.00
71	75W90 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, REV C, EATON E500, MACK GO-J PLUS or equal	120 lb.	Phillips 66	Kendall SHP Synthetic 75W-	120	\$ 5.31	1 lb.	\$ 637.20
72	80W140 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, ARVIN MERITOR O-76, MACK GO -J or equal	35 lb.	Mobil	Delvac 1 GO 80w140	140	\$ 5.31	1 lb.	\$ 743.40
3.1.15 FORMULATED GEAR OIL (LS)								
73	Limited slip gear lubricant 80W90 GL-5	35 lb.	Service Pro	Service Pro 80w-90 LS	770	\$ 1.50	1 lb.	\$ 1,155.00
74	Limited slip gear lubricant 80W90 GL-5	120 lb.	Service Pro	Service Pro 80w-90 LS	1080	\$ 1.50	1 lb.	\$ 1,620.00
3.1.16 DEPOSIT & CREDIT FOR RETURNABLE 55 GALLON DRUMS								
75	Deposit & Credit for Returnable 55 Gal. Drum (Inc. in product price)	55 gal. drum				Must be included in Drum Price.	Drum (each)	No Additional Charge permitted
							GRAND TOTAL:	\$ 945,396.45

Vendor's Name: **Matthews Lubricants**
 Contract Manager's Name: **Bobbi Pethtel**
 Phone: **304-623-3361 ext. 15**
 Fax: **304-623-3364**
 Email Address: **bpethtel@matthewslubricants.com**

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **NON-MANDATORY PRE-BID** meeting will be held at the following place and time:

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: March 29, 2019 due by 10:00am EDT

Submit Questions to: Mark Atkins, Senior Buyer

2019 Washington Street, East

Charleston, WV 25305

Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)

Email: Mark.A.Atkins@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: SWC OIL19
BUYER: Mark Atkins, File#42
SOLICITATION NO.: CRFQ 0212 SWC190000011
BID OPENING DATE: 04/05/2019
BID OPENING TIME: 1:30pm EST
FAX NUMBER: 304-558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus n/a convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

- Technical
 Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: April 05, 2019 at 1:30pm EDT

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and should include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:

<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. A request form to help facilitate the request can be found at:

<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least \$1 Million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: **Initial Contract Term:** This Contract becomes effective on Upon Award and extends for a period of (1) one year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to Three (3) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Alternate Renewal Term – This contract may be renewed for ONE YEAR successive Five year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Other: See attached.

4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

BID BOND (Construction Only): Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

PERFORMANCE BOND: The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

LABOR/MATERIAL PAYMENT BOND: The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

MAINTENANCE BOND: The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancellation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

- Commercial General Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.
- Automobile Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.
- Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____ per occurrence.
- Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.
- Cyber Liability Insurance** in an amount of: _____ per occurrence.
- Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.
- Pollution Insurance** in an amount of: _____ per occurrence.

- Aircraft Liability** in an amount of: _____ per occurrence.
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Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

_____ for _____

Liquidated Damages Contained in the Specifications

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts (“Other Government Entities”), provided that both the Other Government Entity and the Vendor agree. Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

39. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

40. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

41. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider’s employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Revised 01/24/2019

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a

“substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

44. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Bobbi Pethtel General manager
(Name, Title)
Bobbi Pethtel General manager
(Printed Name and Title)
Rt 50 West Clarkburg, WV 26302
(Address)
304.653.3361 x15 304.653.3364
(Phone Number) / (Fax Number)
Bpethtel@matthewslubri.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Matthews Lubricants
(Company)
Bobbi Pethtel General manager
(Authorized Signature) (Representative Name, Title)
Bobbi Pethtel General manager
(Printed Name and Title of Authorized Representative)
4.5.14
(Date)
304.653.3361 x15 304.653.3364
(Phone Number) (Fax Number)

REQUEST FOR QUOTATION
CRFQ 0212 SWC190000011
(OIL19)
Statewide Contract for Oils, Lubricants & Grease

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids to establish an open-end Statewide Contract for Oils, Lubricants, and Grease. This contract shall cover all West Virginia state agencies.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
 - 2.1 **“Contract Item”** or **“Contract Items”** means the list of items identified in Section 3.1 below and on the Pricing Pages.
 - 2.2 **“Pricing Pages”** means the schedule of prices, estimated order quantity, and totals contained in wvOASIS or attached hereto as Exhibit A and used to evaluate the Solicitation responses.
 - 2.3 **“Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
 - 2.4 **“SAE”** mean the “Society of Automotive Engineering” used to grade motor oils according to their viscosity.
 - 2.5 **“API”** means the “American Petroleum Institute”.
 - 2.6 **“ILSAC”** means the “International Lubricant Standardization and Approval Committee.
 - 2.7 **“LMOA”** means the “Locomotive Maintenance Officers Association.
 - 2.8 **“EMD”** Means “Electro-Motive Diesel” engine.
 - 2.9 **“NLGI”** means the “National Lubricating Grease Institute”.
 - 2.10 **“OSHA”** means the “Occupational Safety and Health Association”.

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3. GENERAL REQUIREMENTS:

3.1 Contract Items and Mandatory Requirements: Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.

3.1.1 2-CYCLE MOTOR OIL - CHAINSAW, POWER MOWERS, PUMPS, & SNOWMOBILES:

3.1.1.1 Motor Oil must be specifically compounded and marketed for mixing with gasoline to lubricate air- and water-cooled engines.

3.1.1.2 Motor Oil must meet the minimum requirements as an engine lubricant for the major manufacturers of two-cycle engines.

3.1.1.3 Motor Oil must be satisfactory for use in any fuel to oil ration as specified by the engine manufacturer up to and including 50:1 ration.

3.1.1.4 Motor Oil shall be available in the SAE viscosity grade(s) specified for use in Homelite, McCulloch, Poulan, Stihl, Husqvarna, or other two-cycle engines or equal.

3.1.2 OUTBOARD MOTOR OIL:

3.1.2.1 Outboard Motor Oil specifically compounded and marketed for mixing with gasoline to lubricate two-cycle, water cooled engines.

3.1.2.2 Outboard Motor Oil must be tested and certified by the National Marine Manufacturers Association (NMMA) for TCW III.

3.1.2.3 Outboard Motor Oil must be satisfactory for use in any fuel to oil ration as specified by the engine manufacturer up to and including 50:1 ration.

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3.1.2.4 Outboard Motor Oil shall be available in the SAE viscosity grade(s) specified by the engine manufacturers for use in Evinrude, Johnson, Mercury, Yamaha, Honda, or other two-cycle outboard motors or equal.

3.1.3 MOTOR OIL (GAS AND/OR DIESEL):

3.1.3.1 Shall be produced from virgin materials.

3.1.3.2 Shall be suitable for use in passenger cars, trucks, and heavy construction equipment.

3.1.3.3 Shall be approved for gasoline and diesel engines.

3.1.3.4 Shall be API certified and have the API seal of approval on the product.

3.1.3.5 Shall meet the performance requirement ("Primary Performance Criteria") described in ASTM designated D4485 for performance categories: API Service CK-4, CJ-4, CI-4 Plus, CH-4/SN, SN Plus, SM, SL, SJ, FA-4.

~~3.1.3.5.1~~ Conformance of the oil furnished with the performance requirements shall be determined with the test methods identified in the most recent edition of ASTM D4485 for all categories.

3.1.3.6 Crankcase oil must be suitable for use in new model gasoline and diesel engines where this service category oil requirement is specified by the engine manufacturer.

3.1.3.7 Must meet the performance level of MIL-L 2104E and MIL-L 45152D or equal.

3.1.3.8 Sulfate ash (ASTMD-874) shall be a maximum of 1.00% by weight.

3.1.3.9 Minimum viscosity index for all motor oils shall be 95.

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3.1.3.10 Synthetic Motor Oil:

3.1.3.10.1 Must be approved for both Gas and/or Diesel engines.

3.1.3.10.2 Must be API Certified and have the API seal of approval on the product.

3.1.3.10.3 Must meet GM-6094M, GM-4718M, and Ford ESE-MC153-E or Equal

3.1.3.10.4 Must meet the performance level of MIL-L-46152E and MIL-L-2104D or Equal.

3.1.4 EXTREME PRESSURE (EP) GEAR LUBRICANT:

3.1.4.1 API Service Category: GL-5, PG-1, PG-2

3.1.4.2 SAE Viscosity Grades: 80W90 and 85W140

3.1.4.2.1 These lubricants are intended for use in passenger car, truck, and tractor differentials (particularly hypoid type), steering gears, and other points requiring a lubricant of exceptional load carrying ability.

3.1.5 GEAR LUBRICANT:

3.1.5.1 API Service Category: GL-1

3.1.5.2 Mineral gear lube 90.

3.1.5.2.1 For use in automotive and heavy equipment transmission differentials where EP lubricant is not required.

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3.1.6 SYNTHETIC LUBRICANT:

3.1.6.1 Must be fully synthetic.

3.1.6.2 SAESO Lubricant for use in heavy-duty truck manual transmissions must meet EATON PS-164, R7, MACK GO-A PLUS, NAVISTAR TMS 6816 or Equal.

3.1.7 WHEEL BEARING & CHASSIS GREASE:

3.1.7.1 Shall be designated by manufacturer as suitable for multi-purpose use in cars, light & heavy trucks, and industrial equipment.

3.1.7.2 Must be made from a lithium complex soap.

3.1.7.3 Minimum NLGI Consistency #1 and #2.

3.1.7.4 Must be resistant to oxidation and water washout as specified in ASTM D1264.

3.1.7.5 Must meet minimum leakage resistance as specified in ASTM D1263.

3.1.7.6 Minimum 450-degree Fahrenheit dropping point as specified in ASTM D2265.

3.1.7.7 Worked penetration per ASTM D217 and D1403.

3.1.7.7.1 NLGI#1 310-340

3.1.7.7.2 NLGI#2 265-295

3.1.7.8 NLGI-GC/LB

3.1.8 ALL PURPOSE GREASE (MOLY):

3.1.8.1 Shall be designated by the manufacturer as suitable for use in industrial, automotive, and construction equipment including heavy stock loading conditions.

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3.1.8.2 Must meet minimum requirements for all major heavy equipment manufactures such as Caterpillar, John Deere, Komatsu, Case, Volvo, etc.

3.1.8.3 Minimum NLGI Consistency #2.

3.1.8.4 Minimum 500-degree Fahrenheit dropping point as specified in ASTM D2265.

3.1.8.5 Minimum 3% moly.

3.1.9 HYDRAULIC OIL (HYDRAULIC HOIST OIL):

3.1.9.1.1 Turbine/Circulating Oil (RO22): Product must be specially blended for service in hydraulic systems employing either vane or gear-type pumps as utilized on snow removal, road construction, and hydraulic operated equipment. (This oil is not intended for use in hydraulic brakes and automobile type steering units).

~~3.1.9.1.1.1 Abex Denision HF-0, HF-1, HF-2 or Equal.~~

3.1.9.1.1.2 Sperry Vickers M-2950-S, 1-286-S or Equal.

3.1.9.1.1.3 Sunstrand Hydrostatics or Equal.

3.1.9.1.2 Hydraulic Oil Light-Weight (AW32):

3.1.9.1.2.1 For use when outside temperature is generally below 32-degrees Fahrenheit.

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3.1.9.1.3 Hydraulic Oil Medium-Weight (AW46):

3.1.9.1.3.1 For use when outside temperature is generally between 32-100 degrees Fahrenheit.

3.1.9.1.4 Hydraulic Oil Heavy-Weight (AW68):

3.1.9.1.4.1 For use in some systems where ambient temperatures are generally higher and/or when heavier weight products are recommended.

3.1.9.1.5 HYDRAULIC OIL REQUIREMENTS:

3.1.9.1.5.1 Manufactured to meet or exceed manufacturers hydraulic requirements.

3.1.9.1.5.2 Shall not produce deleterious effects on neoprene, leather, or other seals used in hydraulic systems.

3.1.9.1.5.3 Shall contain corrosion, oxidation, anti-wear and foam inhibitors to protect the hydraulic system. This shall include but not limited to pump, motor, and valves.

3.1.9.1.5.4 Minimum viscosity index for all hydraulic oil shall be 95.

3.1.9.1.5.5 Hydraulic oil shall be tested per ASTM D2619 and approved.

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3.1.10 CATAPILLAR HYDRUALIC OIL:

3.1.10.1 Cat Hydro Advanced 10 or Equal:

3.1.10.1.1 Must meet minimum requirements for all CAT Machine Hydraulic Systems.

3.1.10.1.2 Must meet minimum oxidation stability per ASTM D943.

3.1.10.1.3 Must have a minimum viscosity index of 114 per ASTM D2270.

3.1.10.1.4 SAE Viscosity grade IOW.

3.1.11 TRANSMISSION FLUID:

3.1.11.1 Dexron II – Mercon or Equal:

3.1.11.1.1 This automatic transmission fluid shall be suitable for use in any application where conventional ATF is specified.

3.1.11.1.2 1T0-4 Fluids:

3.1.11.1.2.1 Must meet CAT T0-4 requirements.

3.1.11.1.2.2 Must meet Allison C-4 requirements.

3.1.11.1.2.3 Must provide rust corrosion control, oxidation stability, foam resistance, and elastomer compatibility.

3.1.11.1.3 Dexron III, Mercon, Mercon V, ATF+3, & ATF+4 or Equal:

3.1.11.1.3.1 This automatic transmission fluid shall be suitable for use in any application where multi-vehicle ATF is specified.

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3.1.11.1.4 Dexron VI or Equal:

3.1.11.1.4.1 ATF meeting GM specifications or equal.

3.1.11.1.5 TES-295 Allison Fluid BP Autran or Equal:

3.1.11.1.5.1 ATF must meet Allison specifications or equal.

3.1.11.1.6 Motorcraft Mercon LV or Equal:

3.1.11.1.6.1 ATF must meet Ford Motor Company specifications.

3.1.11.1.6.2 Minimum Viscosity index must be 155.

3.1.11.1.7 Motorcraft Mercon SP or Equal:

3.1.11.1.7.1 ATF must meet Ford Motor Company specifications.

3.1.11.1.7.2 Minimum Viscosity index must be 155.

3.1.11.1.8 Valvoline CVT Fluid or Equal:

3.1.11.1.8.1 Must be formulated with premium synthetic base stocks, long-life friction modifiers, anti-wear additives and shear stable viscosity modifiers.

3.1.11.1.8.2 Minimum Viscosity @ 100-degrees Celsius must be 7.2.

3.1.11.1.8.3 Must meet all major automobile (i.e. Ford, Chrysler, GM, Toyota, etc.) manufacturers specifications for belt and chain driven continually variable transmissions (CVT) and will not void vehicle warranties.

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3.1.12 COMBINATION FLUID (Universal Tractor Hydraulic/Transmission Oil):

3.1.12.1 HY-GUARD OIL or Equal.

3.1.12.2 Minimum Viscosity @ 40-degree Celsius must be ISO grade 46.

3.1.12.3 Must meet the minimum manufacturer requirements for farm equipment, off highway machinery, and industrial tractor transmissions, final drives, wet brakes, and hydraulics when supplied from a common fluid reservoir.

3.1.12.3.1 This fluid shall meet or exceed all of the manufacturer requirements for John Deere J20A, John Deere J20C, Allis Chalmers 257541, Massey Ferguson Permatran III, White Equipment Q-1722, and Ford M2C134A, or Equal.

3.1.13 RAILROAD DIESEL ENGINING OIL:

3.1.13.1 Must be generation 4 SAE40 oil as designated by (LOMA) EMD approved.

3.1.14 SYNTHETIC MULTIPURPOSE GEAR LUBRICANT:

3.1.14.1 API Service Category GL-5.

3.1.14.2 SAE Viscosity grade 75W90.

3.1.14.2.1 DANA SHADES 256, REV.C, EATON E500, MACK GO-J PLUS, or Equal.

3.1.14.3 SAE Viscosity grade 80W140.

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3.1.14.3.1 DANA SHADES 256, ARVIN
MERITOR O-76, MACK GO-J or
Equal.

3.1.14.4 Shall be manufactured from synthesized hydrocarbon base oils and a sulfur phosphorus gear lubricant additive package.

3.1.14.5 Must meet manufacturers minimum requirements for farm equipment, off highway machinery, and industrial tractors.

3.1.15 FORMULATED GEAR OIL (Limited-Slip Gear Lubricant):

3.1.15.1 API Service Category GL-5.

3.1.15.2 SAE Viscosity grade 80W90.

3.1.15.3 Must contain rust, corrosion, anti-wear and foam inhibitors.

3.1.16 55 GALLON DRUMS:

3.1.16.1 All drums shipped become the property of the ordering agency and cannot be invoiced separately for deposits or credits.

3.1.16.2 Vendor should include the price of the drum into their Unit Price cost for each commodity item shipped in drum packaging.

3.1.16.2.1 If an Agency desires to return any drum purchased when empty, the vendor may pick up the drum at no charge to the agency if the vendor desires.

3.1.16.3 See **Section 6.1** for additional drum requirements.

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(OIL19)
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4. CONTRACT AWARD:

- 4.1 Contract Award:** The Contract is intended to provide Agencies with a purchase price on all Contract Items. The Contract shall be awarded to the Vendor that provides all Contract Items meeting the required specifications for the lowest overall Grand Total Cost as shown on the Pricing Pages.
- 4.2 Pricing Pages:** Vendor should complete the Exhibit_A Pricing Pages by entering the Manufacturer, Brand Name, and Unit Price into the correct boxes and complete the vendor information at the bottom of the pricing page. The Exhibit_A Pricing pages are formatted to automatically calculate the Extended Price and Grand Total Cost when the Unit Price is entered. However, it is the vendors responsibility to ensure the calculations for their bid is correct before submitting. In the event of an error, the Unit Price shall prevail. The Purchasing Division may correct errors at its discretion. Vendor should complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

If submitting in wvOasis, vendor should download the Exhibit_A Pricing pages and complete then upload as an attachment to their bid.

If responding on paper, vendor should download the Exhibit_A Pricing pages, complete, then print and attach with their bid submission.

The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Vendor should electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document.

5. ORDERING AND PAYMENT:

- 5.1 Ordering:** Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written form of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

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Spending Units (Agencies) shall process release orders through WVOasis using Agency delegated release orders (ADO).

Minimum orders shall be \$100.00 and shipped FOB Destination. Orders less than \$100.00 may be obtained by the Agency using proper purchasing procedures.

5.2 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

6. DELIVERY AND RETURN:

6.1 Delivery Time: Vendor shall deliver standard orders within seven (7) calendar days after orders are received (ARO). Vendor shall deliver emergency orders within three (3) calendar days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

DRUMS: All Drums furnished shall be labeled as required by OSHA for hazardous materials. Material Safety Data Sheets (MSDS) shall be furnished in accordance with the current federal and state laws and requirements concerning hazardous chemicals to the ordering Agency. MSDS must be submitted and shipped with the product ordered.

A packing slip must accompany all shipments. All drums must be sealed and shipped on a two-way, non-refundable pallet.

6.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

6.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

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- 6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.
- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

7. VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

- ~~7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.~~
- 7.1.2 Failure to comply with other specifications and requirements contained herein.
- 7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
- 7.1.4 Failure to remedy deficient performance upon request.

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7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

8.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

8.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Bobbi Pethtel
Telephone Number: 304.633.3361 x15
Fax Number: 304.633.3364
Email Address: Bpethtel@matthewslubricants.com

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Matthews Librarians Address: Rt 50 West

Clarksburg, WV 26305

Name of Authorized Agent: Barbara Pethtel Address: Rt 50 West Clarksburg, WV 26305

Contract Number: 0:119 Contract Description: 0:119

Governmental agency awarding contract: WV Purchasing Division

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

Thomas J. Langston

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

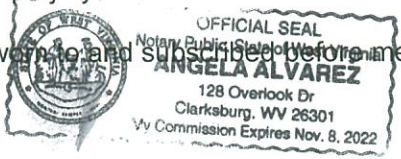
Signature: Barbara Pethtel

Date Signed: 4.5.19

Notary Verification

State of WV, County of Harrison:

I, Barbara Pethtel, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.



Taken, sworn to, and subscribed before me this 5 day of April, 2019
Angela Alvarez
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: _____

Authorized Signature: Bonhwa Pithel Date: 4-5-19

State of WV

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 5 day of April, 2019.

My Commission expires Nov. 8, 2022.

AFFIX SEAL HERE



NOTARY PUBLIC

Angela Alvarez

Purchasing Affidavit (Revised 01/19/2018)



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 07 - Chemicals

Proc Folder: 564859

Doc Description: OIL19 - Statewide Contract for: Oils, Lubricants, & Grease

Proc Type: Statewide MA (Open End)

Date Issued	Solicitation Closes	Solicitation No	Version
2019-03-25	2019-04-05 13:30:00	CRFQ 0212 SWC1900000011	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

*Matthews Laboratories, Inc.
 Rt 50 West
 Clarksburg, WV 26305
 304-623-3321*

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X *Babele Pickett* FEIN # *55-6740407* DATE *4.5.19*

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division is soliciting bids to establish an open-end Statewide Contract for Oils, Lubricants, and Grease. This contract shall cover all West Virginia state agencies per the attached documents.

INVOICE TO		SHIP TO	
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER	
No City	WV99999	No City	WV 99999
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Oils, Lubricants, & Grease: Use Exhibit_A Pricing Page	0.00000	EA		<i>e</i>

Comm Code	Manufacturer	Specification	Model #
15120000			

Extended Description :

Note: Vendor shall use Exhibit_A Pricing Pages for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.

Vendor shall enter pricing into the Exhibit_A Pricing Pages and must attach with bid.
See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical Questions due by 10:00am EDT	2019-03-29

SWC1900000011	Document Phase Final	Document Description OIL19 - Statewide Contract for: Oils, Lubricants, & Grease	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 07 - Chemicals

Proc Folder: 564859

Doc Description: ADDENDUM_1: OIL19 - SWC for: Oils, Lubricants, & Grease

Proc Type: Statewide MA (Open End)

Date Issued	Solicitation Closes	Solicitation No	Version
2019-03-29	2019-04-05 13:30:00	CRFQ 0212 SWC1900000011	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Matthews Lubricants, Inc
Rt 50 West
Clarksburg, WV 26305
304.653.3361

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X *Bubba [Signature]* FEIN # *55-0740407* DATE *4.5.19*

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

ADDENDUM 1: Is issued for the following:

1. To publish the State's response to the questions submitted by Vendors during the Technical Questioning period.
2. To publish the Revised 3/29/2019 Exhibit_A Pricing Pages to adjust estimated quantities for Commodity Line Items #10, #12, #26, #50, and #52 (55-gallon drums).

No other changes made.

The West Virginia Purchasing Division is soliciting bids to establish an open-end Statewide Contract for Oils, Lubricants, and Grease. This contract shall cover all West Virginia state agencies per the attached documents

INVOICE TO		SHIP TO	
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER		STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER	
No City	WV99999	No City	WV 99999
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Oils, Lubricants, & Grease Use Exhibit_A Pricing Page	0 00000	EA		0

Comm Code	Manufacturer	Specification	Model #
15120000			

Extended Description :

Note: Vendor shall use Exhibit_A Pricing Pages for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.

Vendor shall enter pricing into the Exhibit_A Pricing Pages and must attach with bid.
See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical Questions due by 10:00am EDT	2019-03-29

SOLICITATION NUMBER: CRFQ 0212 SWC1900000011

Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CRFQ 0212 SWC1900000011 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Publish Revised 3-29-2019 Exhibit_A Pricing Pages.

Description of Modification to Solicitation:

1. To publish the State's response to the questions submitted by Vendors during the Technical Questioning period.
2. To publish the Revised 3/29/2019 Exhibit_A Pricing Pages to adjust estimated quantities for Commodity Line Items #10, #12, #26, #50, and #52 (55-gallon drums).

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT_A

ADDENDUM_1
CRFQ 0212 SWC1900000011

QUESTION #1: How do we find out which products are going to each location?

RESPONSE #1: All commodity items on the Exhibit_A Pricing Pages must be available to order for any location throughout the State. This includes all State Agencies and any municipalities, Political Subdivisions, Boards of Education, etc.

QUESTION #2: I don't have a list of locations and the products that location receives. Is there one out there or do all locations receive all of these products?

RESPONSE #2: See Response #1. Since this is an open-ended contract, any government entity may utilize the contract and therefore it is not possible to have a list of potential users, locations, or what commodity item is needed.

QUESTION #3: Also, is the quantity based off of gallons or is it per item (ex.- 10,000 drums)?

RESPONSE #3: All pricing is broken down to the least possible container pricing and the pricing pages formatted to calculate based upon this model. For example, Drums are broken down to the gallon price. Please note that a newly revised pricing page is included with this addendum to adjust some of the drum quantities so that the gallons required can be easily divided by the container amount of 55 gallons per container.

I.e. revised commodity item #10 Motor Oil SAE15W40 – FA-4 is for the estimated quantity of 7 drums. $7 \times 55 = 385$ gallons. The vendor should input the gallon price for 385 gallons (7 drums) for their bid.

Using \$1.00 as an example for the unit price per gallon, the pricing page will calculate as such for the 7 (55 gallon) drums:

15:	10	Motor oil SAE15W40 - BULK - FA-4	55gal. drum		385	\$	1.00	1gal.	\$	385.00
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Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
LINE ITEM	DESCRIPTION	UNIT OF MEASURE (SIZE/WT) (for information use only and not to be used for calculations)	MANUFACTURER	BRAND BID	ESTIMATED QTY.	UNIT PRICE	Unit of Measure (for calculation purposes only)	EXTENDED PRICE
	3.1.1 3-CYCLE MOTOR OIL - Chainsaw, Power Mowers, Pumps, & Snowmobiles							
1	Motor oil for lubricating 2 cycle engines in 8 oz. containers (chain saw motor oil) - API TC or equal	8 oz			1600	\$	1 qt	\$
	3.1.2 OUTBOARD MOTOR OIL							
2	Motor oil for lubricating 2 cycle engines (outboard motor oil) - API TC-W3 or equal	1 qt.			1300	\$	1 qt	\$
	3.1.3 MOTOR OIL, SAE (Gas and/or Diesel)							
3	Motor oil SAE10 - CF-4, CF-2 CF/2S	1 qt.			1000	\$	1 qt.	\$
4	Motor oil SAE15W40 - CI-4, CF/2S/ CI-4, CI-4 PLUS, CH-4, CF-4	1 qt.			100,000	\$	1 qt.	\$
5	Motor oil SAE15W40 - CI-4, CF/2S/ CI-4, CI-4 PLUS, CH-4, CF-4	1 gal			10,000	\$	1 gal	\$
6	Motor oil SAE15W40 - CI-4, CI-4 PLUS, CI-4, CF-4/2S, SM, CK-4	55 gal. drum			1210	\$	1 gal	\$
7	Motor oil SAE15W40 - BULK - CI-4, CI-4 PLUS, CH-4, CF-4/2S, SM, CK-4	BULK 6,000 gallon			6000	\$	1 gal	\$
8	Motor oil SAE15W40 - FA-4	1 qt			1000	\$	1 qt.	\$
9	Motor oil SAE15W40 - FA-4	1 gal			1000	\$	1 gal	\$
10	Motor oil SAE15W40 - BULK - FA-4	55 gal. drum			385	\$	1 gal	\$
11	Motor oil SAE10 - CF/2S/ CAT TO-2, ALLISON C-4 or equal	5 gallon			2400	\$	1 gal.	\$
12	Motor oil SAE10 - CF/2S/ CAT TO-2, ALLISON C-4 or equal	55 gal. drum			550	\$	1 gal.	\$
13	Motor oil 6W20 - GM Dexos approved or Equal	1 qt			1500	\$	1 qt	\$
14	Motor oil 6W20 - GM Dexos approved or Equal	5 qt			1000	\$	1 qt	\$
15	Motor oil 5W20 - CF/2S/ SM, SJ, ILSAC, GF-5	1 qt			5000	\$	1 qt	\$
16	Motor oil 5W20 - Synthetic Blend - CF/2S/ SM, SJ, ILSAC, GF-5	1 qt			5000	\$	1 qt.	\$
17	Motor oil 5W20 - Synthetic Blend - BULK - CF/2S/ SM, SJ, ILSAC, GF-5	55 gal. drum			550	\$	1 gal	\$
18	Motor oil 5W20 - CF/2S/ ILSAC, GF-5	1 qt			7500	\$	1 qt.	\$
19	Motor oil 5W30 - Synthetic Blend - CF/2S/ ILSAC, GF-5	1 qt.			7500	\$	1 qt.	\$
20	Motor oil 5W30 - Synthetic Blend - BULK - CF/2S/ SM, SJ, ILSAC, GF-5	55 gal. drum			550	\$	1 gal.	\$
21	Motor oil 5W30 - GM Dexos approved or Equal	1 qt			1000	\$	1 qt.	\$
22	Motor oil 5W30 - GM Dexos approved or Equal	5 qt			1000	\$	1 qt.	\$
23	Motor oil 10W30 - CF/2S/ SM, SJ, ILSAC, GF-5	1 qt.			20000	\$	1 qt.	\$
24	Motor oil 10W30 - Motorcraft Super Duty or Equal (must meet WSS-M2C171-F1, CES20026, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	1 qt.			5000	\$	1 qt	\$
25	Motor oil 10W30 - Motorcraft Super Duty or Equal (must meet WSS-M2C171-F1, CES20026, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	5 qt.			1000	\$	1 qt	\$
26	Motor oil 10W30 - BULK - Motorcraft Super Duty or Equal (must meet WSS-M2C171-F1, CES20026, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	55 gal. drum			310	\$	1 gal	\$
27	Motor oil 10W30 - Diesel Engine Service - SB (synthetic blend)	1 qt			350	\$	1 qt.	\$
28	Motor oil 10W30 - Diesel Engine Service - SB (synthetic blend)	5 qt			500	\$	1 qt	\$
29	Motor oil 10W30 - FA-4	1 qt.			1000	\$	1 qt.	\$
30	Motor oil 10W30 - FA-4	1 gal			500	\$	1 gal	\$
31	Motor oil 10W40 - CF/2S	1 qt.			500	\$	1 qt.	\$
32	Motor oil 10W50 - CF/2S	1 qt			500	\$	1 qt.	\$
33	Synthetic motor oil SAE 5W40 - CF/2S	1 qt.			500	\$	1 qt.	\$
34	Synthetic motor oil SAE 5W40 - CF/2S	1 gal			500	\$	1 gal	\$
35	Synthetic motor oil SAE 10W40 - CF/2S	1 qt			500	\$	1 qt	\$
36	Synthetic motor oil SAE 15W40 - CI-4, CH-4/2S	1 qt			300	\$	1 qt.	\$
	3.1.4 EXTREME PRESSURE (EP) GEAR LUBRICANT							
37	Extreme pressure gear lubricant 80W90 - GL-5, MT-1, MACK GO-1 or equal	35 lb.			280	\$	1 lb	\$
38	Extreme pressure gear lubricant 80W90 - GL-5, MT-1, MACK GO-1 or equal	120 lb			3350	\$	1 lb	\$
39	Extreme pressure gear lubricant 85W140 - GL-5, MT-1, MACK GO-1 or equal	120 lb.			720	\$	1 lb	\$
	3.1.5 GEAR LUBRICANT							
40	Gear lubricant, mineral gear lube 90 - GL-1	35 lb.			385	\$	1 lb	\$
	3.1.6 SYNTHETIC LUBRICANT							
41	SAE10 Powertrans EW150 - FATOHP-164, R7 - MACK GO-A PLUS - NAVISTAR TM5 6816 or equal	35 lb.			350	\$	1 lb	\$
	3.1.7 WHEEL BEARING & CHASSIS GREASE							
42	Wheel bearing and chassis grease summer weight NLGI #2	14 to 14 1/2 oz. tubes			2500	\$	1 qt.	\$
43	Wheel bearing and chassis grease summer weight NLGI #2	35 lb.			250	\$	1 lb	\$
44	Wheel bearing and chassis grease summer weight NLGI #2	120 lb.			1200	\$	1 lb	\$
	3.1.8 ALL PURPOSE GREASE (MOLY):							
45	All purpose grease (3% moly) water and heat resistant grease NLGI #2	14 to 14 1/2 oz. tubes			120	\$	1 qt.	\$
46	All purpose grease (3% moly) water and heat resistant grease NLGI #2	35 lb.			200	\$	1 lb	\$
47	All purpose grease (3% moly) water and heat resistant grease NLGI #2	120 lb			240	\$	1 lb	\$

3.1.9 HYDRAULIC OIL (HYDRAULIC HOIST OIL):									
48	Hydraulic oil light weight (B022 Turbine/Circulating Oil)	5 gal			50	\$	1 gal	\$	
49	Hydraulic oil light weight (AW32)	5 gal			400	\$	1 gal	\$	
50	Hydraulic oil light weight (AW32)	55 gal drum			110	\$	1 gal	\$	
51	Hydraulic oil medium weight (AW46)	5 gal			35	\$	1 gal	\$	
52	Hydraulic oil medium weight (AW46)	55 gal drum			110	\$	1 gal	\$	
53	Hydraulic oil heavy weight (AW68)	5 gal			200	\$	1 gal	\$	
54	Hydraulic oil heavy weight (AW68)	55 gal drum			260	\$	1 gal	\$	
3.1.10 CATAPILLAR HYDRAULIC OIL									
55	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	5 gal			120	\$	1 gal	\$	
56	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	55 gal drum			660	\$	1 gal	\$	
3.1.11 TRANSMISSION FLUID									
57	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	1 qt.			2200	\$	1 qt.	\$	
58	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	55 gal drum			425	\$	1 gal	\$	
59	Transmission Fluid - CAT 10-3, Allison C-4, or Equal	5 gal			350	\$	1 gal	\$	
60	Transmission Fluid - CAT 10-3, Allison C-4, or Equal	55 gal drum			605	\$	1 gal	\$	
61	Automatic Transmission Fluid Multi Vehicle ATF API DEXRON III, MERCON, MERCON V, ATF-3 ATF-4 or equal	1 qt.			1600	\$	1 qt.	\$	
62	Transmission Fluid - Dexron VI ATF or equal	1 qt.			120	\$	1 qt.	\$	
63	TES 295, Allison TES 295 Fluid BP Autran or Equal	1 qt.			10	\$	1 qt.	\$	
64	Automatic Transmission Fluid - MOTORCRAFT MERCON IV or equal	1 qt.			30	\$	1 qt.	\$	
65	Automatic Transmission Fluid - MOTORCRAFT MERCON 5P or equal	1 qt.			30	\$	1 qt.	\$	
66	Transmission Fluid - VALVOLINE CVT FLUID or equal	1 qt.			30	\$	1 qt.	\$	
3.1.12 COMBINATION FLUID									
67	Combination Fluid: Hydraulic/Transmission Oil: HY GARD Transmission Oil or equal	5 gal.			250	\$	1 gal	\$	
68	Combination Fluid: Hydraulic/Transmission Oil: HY GARD Transmission Oil or equal	55 gal drum			2050	\$	1 gal	\$	
3.1.13 RAILROAD DIESEL ENGINE OIL									
69	Railroad diesel engine oil must be a generation 5 oil as designated by (RMDA) FFD approved	55 gal drum			820	\$	1 gal.	\$	
3.1.14 SYNTHETIC MULTIPURPOSE GEAR LUBRICANT									
70	75W90 GL-5 Synthetic multi-purpose gear lubricant - DANA SHADES 256, REV C, EAION E500, MACK GD-1 PLUS or equal	35 lb.			700	\$	1 lb.	\$	
71	75W90 GL-5 Synthetic multi-purpose gear lubricant - DANA SHADES 256, REV C, EAION E500, MACK GD-1 PLUS or equal	120 lb.			120	\$	1 lb.	\$	
72	80W90 GL-5 Synthetic multi-purpose gear lubricant - DANA SHADES 276, ARVIN MERITOR Q-76, MACK GD-3 or equal	35 lb.			140	\$	1 lb.	\$	
3.1.15 FORMULATED GEAR OIL (LS)									
73	Limited slip gear lubricant ROW90 GL-5	35 lb.			770	\$	1 lb.	\$	
74	Limited slip gear lubricant ROW90 GL-5	120 lb.			1050	\$	1 lb.	\$	
3.1.16 DEPOSIT & CREDIT FOR RETURNABLE 55 GALLON DRUMS									
75	Deposit & Credit for Returnable 55 Gal. Drums (Inc. in product price)	55 gal drum					Must be included in Drum Price	No Additional Charge permitted	
GRAND TOTAL:							\$		

Vendor's Name: _____
 Contract Manager's Name: _____
 Phone: _____
 Fax: _____
 Email Address: _____

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ 0212 SWC1900000011

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Matthews Lubricants, Inc.
Company
B. [Signature]
Authorized Signature
4.5.19
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
LINE ITEM	DESCRIPTION	UNIT OF MEASURE (SIZE/WGT) (for information use only and not to be used for calculations)	MANUFACTURER	BRAND BID	ESTIMATED QTY.	UNIT PRICE	Unit of Measure (For calculation purposes only)	EXTENDED PRICE
3.1.1 2-CYCLE MOTOR OIL - Chainsaw, Power Mowers, Pumps, & Snowmobiles								
1	Motor oil for lubricating 2 cycle engines in 8 oz. containers (chain saw motor oil) - API TC or equal	8 oz.	Warren Oil	Itasca Outdoors 2-Cycle Oil	1800	\$ 0.25	1 oz.	\$ 450.00
3.1.2 OUTBOARD MOTOR OIL								
2	Motor oil for lubricating 2 cycle engines (outboard motor oil) - API TC-W3 or equal	1 qt.	Warren Oil	Itasca Marine 2-Cycle TC-W	1300	\$ 3.25	1 qt.	\$ 4,225.00
3.1.3 MOTOR OIL SAE (Gas and/or Diesel)								
3	Motor oil SAE30 - CF-4, CF-2 CF/SI	1 qt.	Phillips 66	TSX Heavy Duty 30	1000	\$ 3.50	1 qt.	\$ 3,500.00
4	Motor oil SAE15W40 - CI-4 CF/SJ CJ-4, CI-4 PLUS, CH-4, CK-4	1 qt.	Hicks Oil	Formula 500	100,000	\$ 2.50	1 qt.	\$ 250,000.00
5	Motor oil SAE15W40 - CI-4 CF/SJ CJ-4, CI-4 PLUS, CH-4, CK-4	1 gal.	Hicks Oil	Formula 500	10,000	\$ 9.75	1 gal.	\$ 97,500.00
6	Motor oil SAE15W40 - CJ-4, CI-4 PLUS, CH-4, CF-4/SN, SM, CK-4	55 gal. drum	AIOD	Service Pro HD 5/B 15w40	1210	\$ 7.00	1 gal.	\$ 8,470.00
7	Motor oil SAE15W40 - BULK CJ-4, CI-4PLUS, CH-4, CF-4/SN, SM, CK-4	BULK 6,000 gallon	AIOD	Service Pro HD 5/B 15w40	6000	\$ 6.50	1 gal.	\$ 39,000.00
8	Motor oil SAE15W40 - FA-4	1 qt.	Hicks Oil	Formula 500	1000	\$ 2.50	1 qt.	\$ 2,500.00
9	Motor oil SAE15W40 - FA-4	1 gal.	Hicks Oil	Formula 500	1000	\$ 9.75	1 gal.	\$ 9,750.00
10	Motor oil SAE15W40 - BULK - FA-4	55 gal. drum	AIOD	Service Pro HD 5/B 15w40	385	\$ 7.00	1 gal.	\$ 2,695.00
11	Motor oil SAE10 - CF/SN CAT TO-2, ALLISON C-4 or equal	5 gallon	Purus	Purus TD-4 SAE 10W	2400	\$ 8.50	1 gal.	\$ 20,400.00
12	Motor oil SAE10 - CF/SN CAT TO-2, ALLISON C-4 or equal	55 gal. drum	Purus	Purus TO-4 SAE 10W	550	\$ 7.80	1 gal.	\$ 4,290.00
13	Motor oil 0W20 - GM Dexos approved or Equal	1 qt.	AIOD	Service Pro Dexos 1 0w20	1500	\$ 3.05	1 qt.	\$ 4,575.00
14	Motor oil 0W20 - GM Dexos approved or Equal	5 qt.	AIOD	Service Pro Dexos 1 0w20	1000	\$ 2.75	1 qt.	\$ 2,750.00
15	Motor oil 5W20 - CF/SN SM, SJ, ILSAC GF-5	1 qt.	AIOD	Service Pro 5/B 5w20	5000	\$ 2.75	1 qt.	\$ 13,750.00
16	Motor oil 5W20 - Synthetic Blend CF/SN 5M, SJ, ILSAC GF-5	1 qt.	AIOD	Service Pro 5/B 5w20	5000	\$ 2.75	1 qt.	\$ 13,750.00
17	Motor oil 5W20 - Synthetic Blend - BULK - CF/SN SM, SJ, ILSAC GF-5	55 gal. drum	AIOD	Service Pro 5/B 5w20	550	\$ 5.50	1 gal.	\$ 3,025.00
18	Motor oil 5W30 - CF/SN ILSAC GF-5	1 qt.	AIOD	Service Pro 5/B 5w30	7500	\$ 2.75	1 qt.	\$ 20,625.00
19	Motor oil 5W30 - Synthetic Blend CF/SN ILSAC GF-5	1 qt.	AIOD	Service Pro 5/B 5w30	7500	\$ 2.75	1 qt.	\$ 20,625.00
20	Motor oil 5W30 - Synthetic Blend - BULK - CF/SN SM, SJ, ILSAC GF-5	55 gal. drum	AIOD	Service Pro 5/B 5w30	550	\$ 5.50	1 gal.	\$ 3,025.00
21	Motor oil 5W30 - GM Dexos approved or Equal	1 qt.	AIOD	Service Pro 5/B Dexos 1 5w	1000	\$ 3.07	1 qt.	\$ 3,070.00
22	Motor oil 5W30 - GM Dexos approved or Equal	5 qt.	AIOD	Service Pro 5/B Dexos 1 5w	1000	\$ 3.00	1 qt.	\$ 3,000.00
23	Motor oil 10W30 - CF/SN SM, SJ, ILSAC GF-5	1 qt.	AIOD	Service Pro 5/B 10w30	20000	\$ 2.75	1 qt.	\$ 55,000.00
24	Motor oil 10W30 Motorcraft Super Duty or Equal (must meet W55-M2C171-F1, CE520086, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	1 qt.	P66	Fleet Supreme EC 10w30	5000	\$ 3.50	1 qt.	\$ 17,500.00
25	Motor oil 10W30 Motorcraft Super Duty or Equal (must meet W55-M2C171-F1, CE520086, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	5 qt.	P66	Fleet Supreme EC 10w30	1000	\$ 3.50	1 qt.	\$ 3,500.00
26	Motor oil 10W30 - BULK - Motorcraft Super Duty or Equal (must meet W55-M2C171-F1, CE520086, Detroit Diesel 93K2222, Volvo VDS-4.5, & Mack EOS-4.5 standards)	55 gal. drum	P66	Fleet Supreme EC 10w30	330	\$ 11.82	1 gal.	\$ 3,900.60
27	Motor oil 10W30 - Diesel Engine Service 5B (synthetic blend)	1 qt.	Purus	Purus 5/B HD 10w30	350	\$ 3.50	1 qt.	\$ 1,225.00
28	Motor oil 10W30 - Diesel Engine Service 5B (synthetic blend)	5 qt.	Purus	Purus 5/B HD 10w30	500	\$ 3.50	1 qt.	\$ 1,750.00
29	Motor oil 10W30 - FA-4	1 qt.	AIOD	Service Pro 5/B 10w30	1000	\$ 2.75	1 qt.	\$ 2,750.00
30	Motor oil 10W30 - FA-4	1 gal.	AIOD	Service Pro 5/B 10w30	500	\$ 10.92	1 gal.	\$ 5,460.00
31	Motor oil 10W40 - CF/SN	1 qt.	AIOD	Service Pro 10w40	500	\$ 2.50	1 qt.	\$ 1,250.00
32	Motor oil 20W50 - CF/SN	1 qt.	Kendall	Kendall GT-1 5/B HP 20w50	500	\$ 3.50	1 qt.	\$ 1,750.00
33	Synthetic motor oil SAE 5W40 - CF/SN	1 qt.	Purus	Purus Full Syn 5w40	500	\$ 4.01	1 qt.	\$ 2,006.25
34	Synthetic motor oil SAE 5W40 - CF/SN	1 gal.	Purus	Purus Full Syn 5w40	500	\$ 16.05	1 gal.	\$ 8,025.00
35	Synthetic motor oil SAE 10W30 - CF/SN	1 qt.	Mobil	Super Syn 10w30	500	\$ 4.82	1 qt.	\$ 2,410.00
36	Synthetic motor oil SAE 5W40 - CJ-4, CH-4/SN	1 qt.	AIOD	Service Pro F/5 5w40	100	\$ 6.88	1 qt.	\$ 688.00
3.1.4 EXTREME PRESSURE (EP) GEAR LUBRICANT								
37	Extreme pressure gear lubricant 80W90 GL-5, MT-1, MACK GO-J or equal	35 lb.	AIOD	Service Pro 80w90	280	\$ 1.35	1 lb.	\$ 378.00
38	Extreme pressure gear lubricant 80W90 GL-5, MT-1, MACK GO-J or equal	120 lb.	AIOD	Service Pro 80w90	3360	\$ 1.35	1 lb.	\$ 4,536.00
39	Extreme pressure gear lubricant 85W140 GL-5, MT-1, MACK GO-J or equal	120 lb.	AIOD	Service Pro 85w140	720	\$ 1.35	1 lb.	\$ 972.00
3.1.5 GEAR LUBRICANT								
40	Gear Lubricant - mineral gear lube 90 GL-1	35 lb.	Mobil	Mobil Trans HD50	385	\$ 2.00	1 lb.	\$ 770.00
3.1.6 SYNTHETIC LUBRICANT								
41	SAES0 Powertranz EW 50 EATON PS-164, R7 MACK GO-A PLUS NAVISTAR TMS 6816 or equal	35 lb.	Allegheny Petroleum	Fleetguard F/5 MTL CD 50	350	\$ 2.50	1 lb.	\$ 875.00
3.1.7 WHEEL BEARING & CHASSIS GREASE								
42	Wheel bearing and chassis grease summer weight NLGI #2	14 to 14-1/2 oz. tubes	Purus	Purus Alletor HD Red Greas	2500	\$ 0.27	1 oz.	\$ 675.00
43	Wheel bearing and chassis grease summer weight NLGI #2	35 lb.	Purus	Purus Alletor HD Red Greas	250	\$ 2.25	1 lb.	\$ 562.50
44	Wheel bearing and chassis grease summer weight NLGI #2	120 lb.	Purus	Purus Alletor HD Red Greas	1200	\$ 2.18	1 lb.	\$ 2,616.00
3.1.8 ALL PURPOSE GREASE (NOLY):								
45	All purpose grease (3% molyl) water and heat resistant grease NLGI #2	14 to 14-1/2 oz. tubes	Purus	Purus Alletor HD Hi-Temp N	120	\$ 0.25	1 oz.	\$ 30.00
46	All purpose grease (3% molyl) water and heat resistant grease NLGI #2	35 lb.	Purus	Purus Alletor HD Hi-Temp N	200	\$ 2.35	1 lb.	\$ 470.00
47	All purpose grease (3% molyl) water and heat resistant grease NLGI #2	120 lb.	Purus	Purus Alletor HD Hi-Temp N	240	\$ 2.31	1 lb.	\$ 554.40

3.1.9 HYDRAULIC OIL (HYDRAULIC HOIST OIL):								
48	Hydraulic oil-light weight RO22 Turbine/Circulating Oil	5 gal.	Oil Service	Prestige R&O 22	50	\$ 10.00	1 gal.	\$ 500.00
49	Hydraulic oil-light weight (AW32)	5 gal.	Oil Service	Prestige AW 32	400	\$ 5.75	1 gal.	\$ 2,300.00
50	Hydraulic oil-light weight (AW32)	55 gal. drum	Oil Service	Prestige AW 32	110	\$ 4.58	1 gal.	\$ 503.80
51	Hydraulic oil-medium weight (AW46)	5 gal.	Oil Service	Prestige AW 46	35	\$ 5.75	1 gal.	\$ 201.25
52	Hydraulic oil-medium weight (AW46)	55 gal. drum	Oil Service	Prestige AW 46	110	\$ 4.68	1 gal.	\$ 514.80
53	Hydraulic oil-heavy weight (AW68)	5 gal.	Oil Service	Prestige AW 68	200	\$ 5.85	1 gal.	\$ 1,170.00
54	Hydraulic oil-heavy weight (AW68)	55 gal. drum	Oil Service	Prestige AW 68	880	\$ 4.80	1 gal.	\$ 4,224.00
3.1.10 CATAPILLAR HYDRAULIC OIL								
55	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	5 gal.	Mobil	Tran HD 10w	120	\$ 11.50	1 gal.	\$ 1,380.00
56	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	55 gal. drum	Mobil	Tran HD 10w	6,600	\$ 10.00	1 gal.	\$ 66,000.00
3.1.11 TRANSMISSION FLUID								
57	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	1 qt.	Service Pro	Multi-Purpose ATF	22000	\$ 2.20	1 qt.	\$ 48,400.00
58	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	55 gal. drum	Service Pro	Multi-Purpose ATF	495	\$ 6.28	1 gal.	\$ 3,108.60
59	Transmission fluid - CAT T0-4, Allison C-4, or Equal	5 gal.	AIDD	Purus T0-4 Drive Train 30	350	\$ 9.35	1 gal.	\$ 3,272.50
60	Transmission fluid - CAT T0-4, Allison C-4, or Equal	55 gal. drum	AIDD	Purus T0-4 Drive Train 30	605	\$ 8.35	1 gal.	\$ 5,051.75
61	Automatic Transmission Fluid Multi-Vehicle ATF API DEXRON III, MERCON, MERCON V, ATF+3 ATF+4 or equal	1 qt.	AIDD	Service Pro Premium Multi	1000	\$ 3.50	1 qt.	\$ 3,500.00
62	Transmission fluid - Dexron -VI-ATF or equal	1 qt.	Mobil	Mobil Dexron VI ATF	120	\$ 4.95	1 qt.	\$ 594.00
63	TES - 295 Allison TES-295 Fluid BP Autran or Equal	1 qt.	Mobil	Delvac Syn ATF	30	\$ 9.43	1 qt.	\$ 282.90
64	Automatic Transmission Fluid - MOTORCRAFT MERCON LV or equal	1 qt.	Motorcraft	Mercon LV	30	\$ 6.50	1 qt.	\$ 195.00
65	Automatic Transmission Fluid - MOTORCRAFT MERCON SP or equal	1 qt.	Motorcraft	Mercon SP	30	\$ 9.50	1 qt.	\$ 285.00
66	Transmission Fluid - VALVOLINE CVT FLUID or equal	1 qt.	AIDD	Service Pro Univ. CVT Fluid	30	\$ 5.80	1 qt.	\$ 174.00
3.1.12 COMBINATION FLUID								
67	Combination Fluid: Hydraulic/Transmission Oil: HY-GARD Transmission Oil or equal	5 gal.	AIDD	Service Pro Univ. TH Fluid	250	\$ 6.75	1 gal.	\$ 1,687.50
68	Combination Fluid: Hydraulic/Transmission Oil: HY-GARD Transmission Oil or equal	55 gal. drum	AIDD	Service Pro Univ. TH Fluid	20900	\$ 6.50	1 gal.	\$ 135,850.00
3.1.13 RAILROAD DIESEL ENGINE OIL								
69	Railroad diesel engine oil must be a generation 5 oil as designated by (LMOA) EMD approved	55 gal. drum	American Refining	ARG DDS Plus 9124 FM 40	880	\$ 8.75	1 gal.	\$ 7,700.00
3.1.14 SYNTHETIC MULTIPURPOSE GEAR LUBRICANT								
70	75W90 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, REV. C, EATON ES00, MACK GO J PLUS or equal	35 lb.	Phillips 66	Kendall SHP Synthetic 75W	700	\$ 5.31	1 lb.	\$ 3,717.00
71	75W90 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, REV. C, EATON ES00, MACK GO-J PLUS or equal	120 lb.	Phillips 66	Kendall SHP Synthetic 75W	120	\$ 5.31	1 lb.	\$ 637.20
72	80W140 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, ARVIN MERITOR O-76, MACK GO-J or equal	35 lb.	Mobil	Delvac 1 GO 80w140	140	\$ 5.31	1 lb.	\$ 743.40
3.1.15 FORMULATED GEAR OIL (LS)								
73	Limited slip gear lubricant 80W90 GL-5	35 lb.	Service Pro	Service Pro 80w-90 LS	770	\$ 1.50	1 lb.	\$ 1,155.00
74	Limited slip gear lubricant 80W90 GL-5	120 lb.	Service Pro	Service Pro 80w-90 LS	1080	\$ 1.50	1 lb.	\$ 1,620.00
3.1.16 DEPOSIT & CREDIT FOR RETURNABLE 55 GALLON DRUMS								
75	Deposit & Credit for Returnable 55 Gal. Drum (Inc. in product price)	55 gal. drum					Must be included in Drum Price	No Additional Charge permitted
GRAND TOTAL:								\$ 945,396.45

Vendor's Name: **Matthews Lubricants**
 Contract Manager's Name: **Bobbi Pethtel**
 Phone: **304-623-3361 ext. 15**
 Fax: **304-623-3364**
 Email Address: **bphtel@matthewslubricants.com**

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Pricing Addendum

All pricing is based on normal market conditions. In the event of unusual economic conditions, pricing may change. Price increases or decreases will be based on manufacturer price notifications. All proposed price increases will be submitted to the Purchasing Division sixty (60) days prior to the effective date.

 4.5.19

Bobbi Pethtel

April 5, 2019



Mobiltrans HD Series

Mobil Commercial Vehicle Lube, United States

Extra High Performance Transmission and Drivetrain Lubricants

Product Description

Mobiltrans HD 10W, 30, 50, and 60 are extra high performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the rigorous Caterpillar TO-4 specification. This product line is uniquely designed to optimise the performance of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems

This technology combines selected base oils and an advanced additive system to deliver the precise performance parameters needed to maximise the productivity of construction, quarrying, and mining equipment operating in severe conditions. These products offer a clear performance advantage over the use of mixed fleet engine oils and previously used lubricants meeting Caterpillar TO-2.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy duty earth moving equipment in terms of load, speed, control, precision, and reliability through innovative power train designs. These designs have increased the requirements of power-train fluids to deliver higher level of performance, productivity and efficiency. Friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and pumpability are features that must be optimally balanced to provide extended clutch life, slippage control, maximum drawbar loading, and high load operation even on an inclined slope at extreme temperatures. Mobiltrans HD 10W, 30, 50, 60 deliver exceptional performance in today's power train transmissions, drive trains, and hydraulic systems. The key benefits include:

Features	Advantages and Potential Benefits
Balanced static and dynamic friction coefficients	Optimised clutch-friction retention and slippage control Significantly improved clutch life compared to the best API CD/TO-2 engine oils
Compatible with modern clutch materials and elastomers	Longer clutch life and higher performance
Increased levels of anti-wear and load carrying capability	Reduced gear wear and extended life in transmissions, gearboxes, and final drives Greater productivity from reduced downtime
Excellent foam control protection	Top performance in wet brakes; excellent control of brake chatter
Excellent thermal and oxidation stability	Outstanding hydraulic oil stability and protection against high-pressure pump wear
Lower viscosities offer very good low temperature pumpability	Reduced time from start-up to production

Applications

Recommended by ExxonMobil for use in:

- Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway applications
- Off-highway industries including: mining, construction, quarrying, and agriculture
- Manual, powershift, and automatic transmissions where Allison C-4 fluids (SAE 10W and 30 grades) are called for including Twin Disc and transmissions calling for Type F fluids
- Most mobile equipment hydraulic applications

Specifications and Approvals

Mobiltrans HD meets or exceeds the requirements of the following industry and builder specifications	10W	30	50	60
Caterpillar TO-4	X	X	X	X

Mobiltrans HD Series have the following builder approvals:	10W	30	50	60
ZF TE-ML-03C	X	X		
ZF-TE-ML 07F		X		

Mobiltrans HD is recommended by ExxonMobil for use in applications requiring:	10W	30	50	60
Allison C-4	X	X		

Typical Properties

Mobiltrans HD				
SAE Grade	10W	30	50	60
Viscosity, ASTM D 445				
cSt @ 40°C	42	100	195	340
cSt @ 100°C	6.3	11.2	18.0	25.2
Viscosity Index, ASTM D 2270	96	97	100	96
Pour Point, °C, ASTM D 97	-33	-18	-15	-12
Flash Point, °C, ASTM D 92	202	224	240	244
Density @ 15°C kg/l, ASTM D 4052	0.888	0.893	0.906	0.911

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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07-2016

Exxon Mobil Corporation
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Spring TX 77389

1-800-ASK MOBIL (275-6624)

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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ExxonMobil



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SHP® Synthetic Gear Lube

Kendall® SHP Synthetic Gear Lube is a synthetic, multipurpose, extreme-pressure, API GL-5 automotive gear lubricant. It is specifically designed for use in passenger car and truck axles with hypoid gear sets operating in extreme temperatures or under severe driving conditions.

SHP Synthetic Gear Lube is formulated to provide long service life and extended gear life in automotive differentials operating under varying conditions of speed, load, temperature and torque. The carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue and spalling damage under shock-load conditions. The full-synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better low-temperature properties compared with conventional mineral oil-based automotive gear oils, resulting in longer service intervals and better performance over a wider temperature range.

SHP Synthetic Gear Lube is fully approved for 500,000-mile drain intervals in drive axles in linehaul service under Dana/Eaton Roadranger® or Meritor extended warranties.

Applications

- Service fill of conventional differentials on passenger cars and trucks
- Top-off only of limited-slip differentials on passenger cars and light trucks⁽¹⁾
- Service fill of differentials, final drives and transfer cases in some off-highway equipment
- Non-synchronized manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-5 or MT-1 gear oil

⁽¹⁾Note: For complete drain and refill, many limited-slip differentials may require the manufacturer's specified gear lubricant or supplemental additive. Refer to the owner's manual for specific requirements.

SHP Synthetic Gear Lube meets or exceeds the requirements of:

- API Service GL-5, MT-1
- International (Navistar) TMS 6816
- MIL-PRF-2105E
- SAE J2360

Premium
Synthetic
Automotive
Gear Lubricant,
API GL-5/MT-1

CONTACT INFORMATION

Phillips66
Lubricants.com

U.S. Customer
Service:
1-800-368-7128

Technical Hotline:
1-877-445-9198

International
Customer Service:
1-832-765-2500

E-mail address:
kendallmotoroil@
p66.com



SHP Synthetic Gear Lube is approved for service fill under the following OEM specifications:

- Dana SHAES-256 Rev C, SHAES-429
- Mack GO-J Plus
- Meritor O76-N

Features/Benefits

- Extended drain, all-season performance
- Outstanding oxidation resistance and thermal stability to minimize sludge and varnish formation
- Excellent thermal durability and extreme-pressure properties for extended gear life
- High load-carrying capacity for protection against scuffing and wear
- High shear stability
- Outstanding low-temperature properties
- Protects against rust and corrosion
- Good foam resistance
- Potential fuel savings compared with conventional SAE 80W-90 gear oils

SHP® Synthetic Gear Lube

Typical Properties

SAE Grade	75W-90
Specific Gravity @ 60°F	0.890
Density, lbs/gal @ 60°F	7.41
Color, ASTM D1500	8.0
Flash Point (COC), °C (°F)	204 (399)
Pour Point, °C (°F)	-46 (-51)
Viscosity, Brookfield	
cP @ -40°C	125,000
Viscosity, Kinematic	
cSt @ 40°C	122
cSt @ 100°C	16.6
Viscosity Index	147

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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**THE
GOOD
STUFF**

GT-1® High Performance Motor Oil with Liquid Titanium®

Kendall® GT-1 High Performance Motor Oil with Liquid Titanium protection additive is a premium quality, part-synthetic automotive engine oil designed to provide excellent engine protection for both turbocharged gasoline direct-injection, conventional gasoline-fueled and flex-fueled passenger cars and light trucks under all operating conditions.

GT-1 High Performance Motor Oil with Liquid Titanium is formulated with a blend of synthetic and conventional base stocks and a performance additive package fortified with our exclusive Liquid Titanium protection additive for extra wear protection and improved fuel savings. The part-synthetic formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better pumpability at low temperatures compared with conventional engine oils, for extra protection under all driving conditions. The Liquid Titanium protection additive provides increased engine protection by forming a strongly bonded titanium shield on the surface of critical engine parts, which reduces friction and wear and can help extend engine life. Reduced friction also helps improve fuel economy performance beyond ILSAC GF-5 requirements.

GT-1 High Performance Motor Oil with Liquid Titanium (except SAE 10W-40 and SAE 20W-50) exceeds new car warranty requirements as defined by ILSAC GF-5. It is uniquely formulated to help combat low speed pre-ignition (LSPI) in turbocharged gasoline direct injection engines. GT-1 High Performance Motor Oil with Liquid Titanium meets or exceeds "Resource Conserving" requirements for fuel economy improvement, emission system and turbocharger protection, and protection of engines operating on ethanol-containing fuels up to E85. It is backward serviceable for use where API SN or earlier "S" category engine oils are recommended.

Applications

- Turbocharged gasoline direct-injection, conventional gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, especially when operating under severe conditions
- Four-stroke cycle gasoline engines in other mobile or stationary equipment

GT-1 High Performance Motor Oil with Liquid Titanium is licensed for:

- ILSAC GF-5 (except: SAE 10W-40, SAE 20W-50)
- API Service SN Plus with Resource Conserving (except SAE 10W-40 and SAE 20W-50 which are API SN Plus only)

GT-1® High Performance Motor Oil with Liquid Titanium® meets or exceeds the requirements of:

- Chrysler MS-6395
- Ford WSS-M2C945-A (SAE 5W-20), Ford WSS-M2C945-B1 (SAE 5W-20)
- Ford WSS-M2C946-B1 (SAE 5W-30), Ford WSS-M2C946-B1 (SAE 5W-30)
- Ford WSS-M2C947-B1 (SAE 0W-20), Ford WSS-M2C947-B1 (SAE 0W-20)
- GM6094M (obsolete specification)

**Premium
Synthetic Blend
Passenger Car
Engine Oil;
Fortified with
Liquid Titanium
Protection
Additive**



Features/Benefits

- Helps protect against low speed pre-ignition (LSPI) in turbocharged gasoline direct-injection engines (TGDI)
- Meets ILSAC GF-5 requirements for new cars under warranty (except SAE 10W-40 & 20W-50)
- Part-synthetic formulation provides enhanced protection against deposit formation and oil thickening, compared with conventional engine oils
- Exclusive Liquid Titanium® protection additive provides extra wear protection and improved fuel economy
- Protects against rust and bearing corrosion
- Low volatility for reduced oil consumption
- Excellent low-temperature pumpability for protection during cold starts
- Highly resistant to foaming
- Helps maximize engine performance and minimize exhaust smoke
- Formulated to protect turbochargers and emissions control system catalysts
- Formulated for use in vehicles operating on ethanol-containing fuels up to E85

GT-1 High Performance Motor Oil with Liquid Titanium

Typical Properties						
SAE Grade	0W-20	5W-20	5W-30	10W-30	10W-40	20W-50
Specific Gravity @ 60°F	0.849	0.862	0.861	0.866	0.869	0.881
Density, lbs/gal @ 60°F	7.07	7.18	7.17	7.21	7.24	7.33
Color, ASTM D1500	3.0	3.0	3.0	3.0	3.0	3.0
Flash Point (COC), °C (°F)	218 (424)	218 (424)	216 (421)	229 (444)	227 (440)	230 (446)
Pour Point, °C (°F)	-41 (-42)	-39 (-38)	-39 (-38)	-39 (-38)	-39 (-38)	-30 (-22)
Viscosity, Kinematic						
cSt @ 40°C	46.0	49.9	66.2	65.7	106	176
cSt @ 100°C	8.8	8.6	11.0	10.5	15.8	19.6
Viscosity Index	174	150	158	148	150	128
Cold Cranking Viscosity, cP						
@ (°C)	5,400	6,150	6,150	4,550	6,200	7,200
@ (°C)	(-35)	(-30)	(-30)	(-25)	(-25)	(-15)
High-Temp/High-Shear Viscosity, cP @ 150°C	2.6	2.6	3.1	3.0	3.8	4.9
Sulfated Ash, ASTM D874, wt %	0.96	0.96	0.96	0.96	0.96	0.96
Total Base Number (TBN), ASTM D2896	8.0	8.0	8.0	8.0	8.0	8.0
Phosphorus, wt %	0.077	0.077	0.077	0.077	0.077	0.077
Titanium, wt %	0.010	0.010	0.010	0.010	0.010	0.010
Zinc, wt %	0.085	0.085	0.085	0.085	0.085	0.085

Health Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://www.phillips66.com/SDS>.

02-19-17

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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Mobil™

Mobil Super™ Synthetic

Mobil Passenger Vehicle Lube, United States

Full Synthetic Motor Oil

Product Description

Mobil Super™ Synthetic is a full synthetic high-performance motor oil, which provides excellent high temperature protection even under severe operating conditions.

Mobil Super Synthetic is designed to help provide long engine life and outstanding protection in vehicles of all ages, outperforming our conventional-synthetic blended products.

These oils provide outstanding protection against sludge, engine rust and corrosion under severe and low-temperature operating conditions and provide optimum viscosity and fluidity across a broad range of temperatures.

Mobil Super Synthetic oils are available in five multi-viscosity grades: SAE 0W-16, SAE 0W-20, 5W-20, 5W-30 and 10W-30.

Mobil Super Synthetic 0W-16, 0W-20, 5W-20, 5W-30 and 10W-30 are classified by The American Petroleum Institute (API) as "Resource Conserving" engine lubricants and meet or exceed ILSAC GF-5. Those claims are backward compatible with earlier performance levels such as API SN, SM, SL, and SJ and previous ILSAC categories.

Mobil Super Synthetic 5W-30 is approved against General Motors dexos1™ Gen 2 under the license D10031GC015.

Mobil Super Synthetic 0W-20 is approved against General Motors dexos1™ Gen 2 under the license D10163GJ015.

Features and Benefits

- Helps extend engine life
- Outstanding wear protection for vehicles of all ages
- Excellent high temperature protection to help keep engines cool
- Permits extended operation at elevated temperatures (up to 400° F) without oxidative oil thickening and oil breakdown.
- Helps control oil consumption and loss
- Mobil Super Synthetic 0W-16 is suitable for use in Honda and Toyota vehicles where a 0W-16 viscosity is required.
- Allows easy starting and rapid oil circulation during cold starts to protect critical engine parts.
- Protection beyond our conventional-synthetic blended products
- Guaranteed protection with Mobil Super Limited Warranty*
- Meets or exceeds the latest industry specifications
- API SN Plus Resource Conserving

Applications

Mobil Super Synthetic 5W-20, 5W-30 and 10W-30 are recommended for gasoline fueled automobiles and light duty trucks requiring an API SN Plus, SN, SM, SL or SJ. They meet ILSAC GF-5 (Starburst Certification Symbol).

Mobil Super Synthetic 0W-20 is suitable for use in Honda and Toyota vehicles where a 0W-20 viscosity is required.

Before using Mobil Super Synthetic motor oils, consult the owner's manual of the vehicle for the manufacturer's recommended viscosity grade and API Service Classification.

Specifications and Approvals

Mobil Super Synthetic has the following builder approvals:	0W-16	0W-20	5W-20	5W-30	10W-30
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GM dexos1:GEN2 Licensed		X		X	
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Mobil Super Synthetic is recommended by ExxonMobil for use in applications requiring:	0W-16	0W-20	5W-20	5W-30	10W-30
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Chrysler MS-6395			X		X
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Ford WSS-M2C929-A				X	
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Ford WSS-M2C930-A			X		
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GM 6094M			X		X
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Mobil Super Synthetic meets or exceeds the requirements of:	0W-16	0W-20	5W-20	5W-30	10W-30
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API SJ		X	X	X	X
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API SL		X	X	X	X
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API SM		X	X	X	X
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API SN	X	X	X	X	X
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API SN PLUS	X	X	X	X	X
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API SN PLUS RESOURCE CONSERVING	X	X	X	X	X
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API SN Resource Conserving	X	X	X	X	X
ILSAC GF-5		X	X	X	X
Chrysler MS-6395		X		X	
Ford WSS-M2C945-A			X		
Ford WSS-M2C945-B1			X		
Ford WSS-M2C946-A				X	
Ford WSS-M2C947-A		X			
Ford WSS-M2C947-B1		X			

Properties and Specifications

Property	0W-16	0W-20	5W-20	5W-30	10W-30
Grade	SAE 0W-16	SAE 0W-20	SAE 5W-20	SAE 5W-30	SAE 10W-30
Density @ 15 C, g/cm ³ , ASTM D4052	0.838				
Density @ 15.6 C, g/ml, ASTM D4052		0.845	0.836	0.845	0.839
Flash Point, Cleveland Open Cup, °C, ASTM D92	222	231	220	233	236
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	6.7	8.2	8.3	10.9	10.3

Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	30	43	47	63	62
Pour Point, °C, ASTM D5950	-50				
Pour Point, °C, ASTM D97		-39	-33	-45	-33

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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02-2019

Exxon Mobil Corporation

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Spring TX 77389

1-800-ASK MOBIL (275-6624)

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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Energy lives here™



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PRESTIGE FLEET GUARD SYNTHETIC MTL CD-50

Prestige Fleet Guard Synthetic MTL CD-50 is a synthetic transmission fluid formulated for severe duty and extended drain in heavy duty transmissions.

Prestige Fleet Guard Synthetic MTL CD-50 is made using synthetic basestock providing superior all-weather, year-round performance. It also contains anti-wear additive, anti-foam, rust, corrosion, and oxidation inhibitors that protect and reduce wear of transmission components.

The high viscosity index, low pour point, and cold weather pumpability provide exceptional cold weather shifting, improved fuel economy, and less wear in addition to superior high temperature lubrication.

Meets or exceeds the following performance levels:

- Eaton PS 164 Rev 7
- Navistar TMS 6816
- Mack TO-A Plus
- Volvo I-Shift
- API MT-1
- ZF Freedomline

PROPERTIES

Viscosity cSt @ 40 C	139
Viscosity cSt @ 100 C	18
Viscosity Index	144
Flash Point – Degrees C	225
Pour Point – Degrees C	< -40
Channel Point – Degrees C	< -50
Copper Corrosion ASTM D 130	Pass
FZG Stage Pass	10

FOR MORE INFORMATION

To learn more about *Prestige Fleet Guard Synthetic MTL CD-50* or other Prestige products, please contact Oil Service at:

1-800-642-7429 or sales@oilservice.com

Rev 5/2/2013



PURUS® ALLETOR® HEAVY DUTY HI-TEMP RED GREASE

Premium quality high temperature lithium complex grease

DESCRIPTION: PURUS® Alletor® Heavy Duty Hi-Temp Red Grease is available in NLGI Grade #1 and NLGI #2. Its base oil selection and lithium complex soap structure result in a high temperature performing grease. It has excellent water spray-off and washout performance in addition to outstanding rust and corrosion protection. The base oil and polymer combination allows it to resist leakage, dripping or undesirable throw-off from lubricated surfaces in motion. PURUS® Alletor® Heavy Duty Hi-Temp Red Grease is formulated with premium EP/AW additives that impart low wear and high load carrying capacity under severe operating conditions.

PERFORMANCE BENEFITS: PURUS® Alletor® Heavy Duty Hi-Temp Red Grease applications include wheel bearings, ball joints, U-joints, chassis, fifth wheels, kingpins, as well as industrial bearings, couplings and gears. It is recommended for fleet commercial, automotive, trucking, mining, off-highway, construction and many other industrial applications. Primary application includes high temperature operations such as wheel bearings on vehicles equipped with conventional, disc and antilock braking systems. This grease will protect wheel bearings on cars, trucks, buses, vans and farm equipment with disc brakes even under heavy and shock loading conditions. PURUS® Alletor® Heavy Duty Hi-Temp Red Grease meets the NLGI GC-LB specifications

- Premium quality high temperature lithium complex, Extreme Pressure (EP) grease
- Outstanding protection in wet environments
- "Tacky", stay in place formula makes it excellent for fifth wheels
- Superior wheel bearing and chassis performance
- Superior protection to lubricate a wide variety of severe duty automotive, trucking, industrial, mining and construction equipment

TYPICAL PROPERTIES*:

	NLGI No. 1	NLGI No. 2
Thickener	Lithium Complex	Lithium Complex
Texture	Smooth, Tacky	Smooth, Tacky
Color, Observed	Red	Red
Worked 60 Penetration, D 217	310-330	265-295
Dropping Point, ASTM D 566, °F	500	>500
Water Washout, ASTM D 1264, % loss @ 175°F	8	6
Rust Prevention, ASTM D 1743	Pass	Pass
Copper Corrosion, ASTM D 4048	1B	1B
Timken EP Test, OK Load, ASTM D 2509, lb	80	80
Four-Ball Wear, ASTM D 2266, mm	0.6	0.6
Four-Ball EP Weld Point, ASTM D 2596, kgf	315	315
Four-Ball Load Wear Index, ASTM D 2596, kgf	38	38
U.S. Steel Mobility, LT-37, g/min		
77F	637	487
32F	42	27
Lincoln Ventmeter, K95400, Psi		
77F	131	238
32F	199	382
0F	1,157	1,559
Base Oil Viscosity, ASTM D 445		
at 40°C, cSt	220	220
at 100°C, cSt	20	20
Viscosity Index, ASTM D 2270	105	105
Operating Temperature Range, °F (°C)	-20 to 325 (-28 to 163)	-10 to 325 (-23 to 163)
NLGI Certified, ASTM D 4950	GC-LB	GC-LB

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Revised: 11/2017
PINHDRG

SERVICE PRO® PREMIUM MOTOR OILS

Manufactured with highly refined base oils and licensed additive technology

DESCRIPTION: SERVICE PRO® Premium Motor Oils are formulated to provide engine protection under severe operating conditions. SERVICE PRO® Premium Motor Oils are blended from selected and highly refined base oils compounded to provide protection against wear and corrosion, prevent oxidative thickening and inhibit promotion of engine acids, sludge and varnish deposits.

SERVICE PRO® Premium Motor Oils may be used over a wide temperature range. They also permit easier cold weather starting and helps minimize engine friction at start-up. API SN PLUS helps prevent pre-ignition and wear, and provides improved cleanliness and fuel economy.

Recommended for automotive gasoline engines, including those equipped with superchargers, used in passenger cars, light trucks, power boats and other mobile and stationary equipment.

Meets API Service Category SN PLUS, SN, SM, SL, SJ.

PERFORMANCE BENEFITS:

- Resisted breakdown under high temperatures
- Maintained oil pressure under heavy load conditions
- Minimized rust and corrosion
- Good low temperature pour point

TYPICAL PROPERTIES*:	SAE Grade	10W40	20W50
Viscosity			
	@40 Deg. C, cSt	100.5	165
	@100 Deg. C, cSt	14.1	18
Viscosity Index		144	120
Sulfated Ash, %wt.		<1.0	<1.0
Pour Point Deg. F		-30	-27



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SPWNPCMO

Updated: 04/18

SERVICE PRO® PREMIUM SINGLE GRADE MOTOR OILS

Manufactured with highly refined base oils and licensed additive technology

DESCRIPTION: SERVICE PRO® Premium Single Grade Motor Oils are formulated to provide engine protection under severe operating conditions. Made from selected and highly refined base oils compounded to provide protection against wear and corrosion, they help prevent oxidative thickening and inhibit promotion of engine acids, sludge and varnish deposits.

SERVICE PRO® Premium Single Grade Motor Oils are recommended for all major automotive gasoline and LPG powered engines for passenger cars, pickup trucks, vans and SUV's. Meets current API licensing Service Category SN PLUS, as well as former API Classifications SN, SM, SL, SJ, SH. SERVICE PRO® Premium Single Grade Motor Oils are especially recommended for use in automotive applications involving high temperatures and type service such as hauling boats and camping trailers at sustained high speeds for long periods of time. In all cases, the car or engine manufacturer's lubricant recommendations for API performance category and SAE viscosity grade should be followed.

TYPICAL PROPERTIES*:	SAE Grade	30	40
	API Gravity		28.4
Pounds per gallon		7.37	7.42
Pour point, Deg. F		-18	-12
Viscosity			
40 Deg C, cSt		97.85	129.3
100 Deg C, cSt		11.6	13.9
Viscosity Index		107	104
Flash Point Deg. F		400	400
Sulfated Ash, % wt.		<1.0	<1.0



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SPCOSGPCMO

Updated: 08/18

SERVICE PRO® PREMIUM SYNTHETIC BLEND MOTOR OILS

Manufactured with highly refined base oils and licensed additive technology

DESCRIPTION: SERVICE PRO® Premium Synthetic Blend Motor Oils are premium-quality, high detergent automotive engine oils specially formulated to meet the stringent lubrication requirements of today's engines. A unique blend of synthetic and high viscosity index Group II mineral oils combined with a carefully selected additive package, provide maximum protection against wear, rust, corrosion, oxidative thickening, acid formation, sludge and varnish deposits. API SN PLUS helps prevent pre-ignition and wear, and provides improved cleanliness and fuel economy.

SERVICE PRO® Premium Synthetic Blend Motor Oils meet or exceed the requirements of GM 6094M, Chrysler MS-6395, Toyota specifications, and Honda service fill specifications. Additionally, Ford WSS-M2C945- B1 and WSS-M2C945-A (SAE 5W-20), Ford WSS-M2C946- B1, Mazda and WSS-M2C946-A (SAE 5W-30). All grades meet or exceed API Service Category SN PLUS, SN, SM, SL, or SJ and comply with ILSAC GF-5 requirements.

PERFORMANCE BENEFITS:

- Improved fuel economy
- Increased sludge protection
- Enhanced piston cleanliness
- Increased emission protection
- ILSAC GF-5 Resource Conserving formula

TYPICAL PROPERTIES*:

SAE Grade	5W-20	5W-30	10W-30
API Gravity @ 60° F	32.8	32.8	30.9
Sp. Gr. @ 60° F	0.8612	0.8612	0.8713
Flash, COC, °F	428	420	430
Pour Pt., ° F	-38	-38	-30
Viscosity, cSt @ 40°C	48.7	58	65.7
Viscosity, cSt @ 100°C	8.6	10.2	10.3
Viscosity Index	155	165	144
API Service Category	PLUS	PLUS	SN PLUS
ILSAC	GF-5	GF-5	GF-5



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SPWNSYNB

Updated: 04/18

SERVICE PRO® PREMIUM TRACTOR HYDRAULIC FLUID

Manufactured with highly refined base oils

DESCRIPTION: SERVICE PRO® Premium Tractor Hydraulic Fluid is a high quality, specially designed lubricant containing anti-rust, anti-foam and oxidation inhibitors plus other additives necessary for the wide range of applications recommended by various tractor manufacturers. The product is an "all-seasonal" type of oil that resists thickening in cold weather and thinning in the heat of the summer. It is compounded with detergents to keep transmissions clean and maintain hydraulic control circuits in perfect working condition and provides excellent protection against seal and pump deterioration. Operators, especially farmers, will appreciate the multipurpose application of SERVICE PRO® Premium Tractor Hydraulic Fluid for transmissions, final drives, and hydraulic systems of tractors.

SERVICE PRO® Premium Tractor Hydraulic Fluid is currently being used in a variety of mechanical systems world-wide.

- PERFORMANCE BENEFITS:**
- Excellent gear, bearing and pump wear protection
 - Multi-functional fluid
 - Oxidation and thermal stability for long life
 - Excellent rust and corrosion protection
 - Reduces brake chatter
 - Compatibility with oil seal materials used in transmission and hydraulic systems

TYPICAL PROPERTIES*:	SAE Grade	10W-30
	SAE Grade, Gear	80
	API Gear Performance	GL-4
	Viscosity	
	@ 40 Deg. °C, cSt	59
	@100 Deg. °C, cSt	9.4
	@100 Deg. °F, SUS	274
	@210 Deg. °F, SUS	57.2
	Viscosity Index	140
	Flash Point, Deg. °F	400
	Pour Point, Deg. °F	-40
Gravity, Deg API @ 60 °F	30.8	
Density, lb/gal	7.24	



Updated: 12/18
SPWNTHF

SERVICE PRO® PREMIUM TRACTOR HYDRAULIC FLUID

APPLICATION: SERVICE PRO® Premium Tractor Hydraulic Fluid may be used in transmissions and hydraulic systems of equipment made by:

Allison – Hydraulic Trans Fluid; GMC, Type C, C-1, C-2, C-3, C-4*
Allis-Chalmers - #272843, Part # 924282 (Power Fluid No. 821), Part # 246634
Caterpillar – TO-2
Clark Transmissions
J.I. Case – JIC 143, JIC 144, JIC 145, JIC 185, MS-1206, MS-1207, MS-1204, MS-1210, MS-1209 (Hy-Tran® Ultra), MS-1210 (TCH Fluid), MAT 3525
Ford New Holland – M-2C41-B, M-2C41-B, M-2C86A/C, M-2C134-A/B/C/D, FNHA-2-C-200 & 201, NH Multi-G 134
International Harvester – Hy-Tran®, (B-5, B-6, B-7)
John Deere – Fluid Type 303 (J-14C), Part #AR-284254, Part #AR-269444, J-14B, J-20A, J-20C (Hy-Gard®), Quatrol® Requirements, J21A
Kubota UDT Fluid, Super UDT
Komatsu
Landini
Massey Ferguson – M-1110, M-1127A/B, M-1129, M-1135, Permatran® III, M-1138, M-1141, M-1143, M-1145
Oliver – Type 55
White Universal Fluid
Steiger – SEMS 17001
Sundstrand Pumps
Versatile – 23M or 24M
White Farm – Q1722, Q1826

*Allison does not recommend Tractor Hydraulic Fluid for C-4 service.
The trademarks above are owned by the indicated companies.

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AIOD

Updated: 12/18
SPWNTHF

PURUS® TO-4 DRIVE TRAIN OILS

Manufactured with virgin base oils

DESCRIPTION: PURUS® TO-4 Drive Train Oils are formulated to meet the stringent performance requirements of the Caterpillar TO-4 specification. These fluids are recommended for equipment where specified TO-4 qualified oils are required to maintain the Caterpillar equipment warranty. PURUS® TO-4 Drive Train Oils are blended to provide excellent gear wear protection and thermal stability while maintaining a balance of static and dynamic frictional characteristics with a variety of materials. This provides smooth transmission power transfer under high horsepower conditions. Advanced additive chemistry provides substantially improved load carrying capacities and durability and reduces brake chatter.

APPLICATION: PURUS® TO-4 Drive Train Oils are recommended for the lubrication of heavy-duty equipment in both highway and off-highway service that require a lubricant meeting Caterpillar TO-4, Allison C-4, Komatsu KES 07.868.1, Komatsu Dresser, Komatsu Micro-Clutch, ZF TE-ML 01,03C, 07F, Eaton Vickers EH-1027C, Temec/TCC, Dana Powershift, or API GL-3 specifications.

PURUS® TO-4 Drive Train Oils provides excellent service in all Caterpillar powershift transmissions, final drives, hydrostatic transmissions, torque converters, hydraulics or any system which specify TO-4 qualified oils. The SAE 10-W and SAE 30-W grades can be used in all applications requiring Allison C-4 qualified oils.

**PERFORMANCE
BENEFITS:**

- Extends component life
- Excellent gear protection
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Compatible with crankcase engine oils
- Improved friction and anti-wear performance compared to TO-2 fluids

PURUS® TO-4 Drive Train Oils do not contain friction modifiers or viscosity index improvers and are not intended for use in farm tractors. These oils are not designed to be used in the engine crankcase.

**TYPICAL
PROPERTIES:**

Grade	10	30	50
Viscosity			
@100 Deg. C, cSt	6.34	11.5	20
Viscosity Index	104	100	94
Flash Point Deg.°C (min)	200	200	200
Copper Strip Corrosion	Pass	Pass	Pass
Foam Test	Pass	Pass	Pass



Commitment To Quality

Updated: 05/13
PINTO4



Mobiltrans HD Series

Mobil Commercial Vehicle Lube, United States

View the Mobiltrans HD Series

Extra High Performance Transmission and Drivetrain Lubricants

Product Description

Mobiltrans HD 10W, 30, 50, and 60 are extra high performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the rigorous Caterpillar TO-4 specification. This product line is uniquely designed to optimise the performance of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems

This technology combines selected base oils and an advanced additive system to deliver the precise performance parameters needed to maximise the productivity of construction, quarrying, and mining equipment operating in severe conditions. These products offer a clear performance advantage over the use of mixed fleet engine oils and previously used lubricants meeting Caterpillar TO-2.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy duty earth moving equipment in terms of load, speed, control, precision, and reliability through innovative power train designs. These designs have increased the requirements of power-train fluids to deliver higher level of performance, productivity and efficiency. Friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and pumpability are features that must be optimally balanced to provide extended clutch life, slippage control, maximum drawbar loading, and high load operation even on an inclined slope at extreme temperatures. Mobiltrans HD 10W, 30, 50, 60 deliver exceptional performance in today's power train transmissions, drive trains, and hydraulic systems. The key benefits include:

Features

Advantages and Potential Benefits

Balanced static and dynamic friction coefficients	Optimised clutch-friction retention and slippage control Significantly improved clutch life compared to the best API CD/TO-2 engine oils
Compatible with modern clutch materials and elastomers	Longer clutch life and higher performance
Increased levels of anti-wear and load carrying capability	Reduced gear wear and extended life in transmissions, gearboxes, and final drives Greater productivity from reduced downtime
Excellent foam control protection	Top performance in wet brakes; excellent control of brake chatter
Excellent thermal and oxidation stability	Outstanding hydraulic oil stability and protection against high-pressure pump wear
Lower viscosities offer very good low temperature pumpability	Reduced time from start-up to production

Applications

Recommended by ExxonMobil for use in:

- Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway applications
- Off-highway industries including: mining, construction, quarrying, and agriculture
- Manual, powershift, and automatic transmissions where Allison C-4 fluids (SAE 10W and 30 grades) are called for including Twin Disc and transmissions calling for Type F fluids
- Most mobile equipment hydraulic applications

Specifications and Approvals

Mobiltrans HD meets or exceeds the requirements of the following industry and builder specifications

10W	30	50	60
-----	----	----	----

Caterpillar TO-4	X	X	X	X
------------------	---	---	---	---

Mobiltrans HD Series have the following builder approvals:	10W	30	50	60
--	-----	----	----	----

ZF TE-ML-03C	X	X		
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ZF-TE-ML 07F		X		
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Mobiltrans HD is recommended by ExxonMobil for use in applications requiring:	10W	30	50	60
---	-----	----	----	----

Allison C-4	X	X		
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Typical Properties

Mobiltrans HD

SAE Grade	10W	30	50	60
-----------	-----	----	----	----

Viscosity, ASTM D 445

cSt @ 40°C	42	100	195	340
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cSt @ 100°C	6.3	11.2	18.0	25.2
-------------	-----	------	------	------

Viscosity Index, ASTM D 2270	96	97	100	96
------------------------------	----	----	-----	----

Pour Point, °C, ASTM D 97	-33	-18	-15	-12
---------------------------	-----	-----	-----	-----

Flash Point, °C, ASTM D 92	202	224	240	244
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Density @ 15°C kg/l, ASTM D 4052	0.888	0.893	0.906	0.911
----------------------------------	-------	-------	-------	-------

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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07-2016

Exxon Mobil Corporation

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Spring TX 77389

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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SERVICE PRO® PREMIUM

FULL SYNTHETIC SAE 5W-30 MOTOR OIL

Manufactured with highly refined base oils and licensed additive technology

DESCRIPTION: SERVICE PRO® Premium Full Synthetic SAE 5W-30 Motor Oil is approved for dexos1™ Gen 2 specification. It is a top tier, full synthetic motor oil specifically formulated, licensed and approved by General Motors to meet their new GM global engine oil specification. GM dexos1™ Gen 2 license number D10379HG032

SERVICE PRO® Premium Full Synthetic SAE 5W-30 Motor Oil is manufactured with advanced engineered additive chemistry and virgin synthetic base oils to ensure maximum performance in all driving conditions and at extreme temperatures. API SN PLUS helps prevent pre-ignition and wear, and provides improved cleanliness and fuel economy.

SERVICE PRO® Premium Full Synthetic SAE 5W-30 Motor Oil is licensed API SN- PLUS Resource Conserving and ILSAC GF-5. Meets or exceeds the performance specifications of GM4718M GM6094M, FCA/Chrysler MS 6395, Ford WSS-M2C946-A, Ford WSS-M2C946-B1, Toyota specifications, and Honda service fill specifications.

PERFORMANCE BENEFITS:

- Optimum corrosion and wear protection, engine cleaning and lubricating properties
- Increased compatibility with ethanol blended fuels
- Fully compatible with all synthetic, synthetic blend and conventional motor oils
- Outstanding performance in low and high temperature performance and in all driving conditions

TYPICAL PROPERTIES*:

SAE Grade	5W-30
API Gravity @ 60°F	33.7
Sp. Gr. @ 60°F	0.8490
Flash, COC, °F	405
Pour Pt., °F	-40
Viscosity,	
cSt @ 40° C	53.7
cSt @ 100° C	10.0
Viscosity Index	176
API Performance	SN- RC



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SPWNFSDEX530

Updated: 04/18

SERVICE PRO

SERVICE PRO® PREMIUM FULL SYNTHETIC SAE 0W-20 MOTOR OIL



Manufactured with highly refined base oils and industry leading additive chemistry

DESCRIPTION: SERVICE PRO® Premium Full Synthetic SAE 0W-20 Motor Oil is approved for dexos1™ Gen 2 specifications. It is a top tier, full synthetic motor oil specifically formulated, licensed and approved by General Motors to meet their new GM global engine oil specification. GM dexos1™ Gen 2 license number D10378HG032.

SERVICE PRO® Premium Full Synthetic SAE 0W-20 Motor Oil is manufactured with advanced engineered additive chemistry to provide maximum protection against wear, rust, corrosion, oxidative thickening, acid formation, sludge and varnish. API SN PLUS helps prevent pre-ignition and wear, and provides improved cleanliness and fuel economy.

SERVICE PRO® Premium Full Synthetic SAE 0W-20 Motor Oil is licensed API SN-PLUS Resource Conserving and ILSAC GF-5. It is a licensed GM dexos1™ product and suitable for Ford service fill WSS-M2C947-A. Meets or exceeds the API Service Category SN PLUS Resource Conserving, SN, SM, SL, SJ and ILSAC GF-5 requirements. Exceeds the performance requirements of Toyota and Honda as well as meets Ford WSS-M2C947-B1 specification.

PERFORMANCE BENEFITS:

- Formulated to reduce friction and provide increased fuel economy
- Protects engine in all temperatures and conditions
- Keeps precision parts running clean
- ILSAC GF-5 Resource Conserving

TYPICAL PROPERTIES*:

SAE Grade	0W-20
API Gravity @ 60°F	36.15
Sp. Gr. @ 60°F	0.8440
Flash, COC, °F	405
Pour Pt., °F	-40
Viscosity,	
cSt @ 40° C	42.4
cSt @ 100° C	8.4
Viscosity Index	179
API Performance	SN PLUS- RC



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Updated: 04/18
SPWNFSDEX020

SERVICE PRO® PREMIUM EURO FULL SYNTHETIC SAE 5W-40 MOTOR OIL

Manufactured with highly refined base oils and licensed additive technology

DESCRIPTION:

SERVICE PRO® Premium Euro Full Synthetic SAE 5W-40 is a top tier, high detergent automotive engine oil specially formulated to meet the stringent lubrication requirements of advanced European automobiles. Synthetic base oil combine with carefully selected additive packages to provide the highest levels of protection against wear, rust, corrosion, oxidative thickening, acid formation, sludge and varnish.

SERVICE PRO® Premium Euro Full Synthetic SAE 5W-40 meets or exceeds the requirements of ACEA A3/ B4-10, ACEA A3/B3-12, ACEA A3/B4-12, BMW Longlife-01, Mercedes-Benz MB 229.3, 229.5, Porsche A-40, Renault 0710, 0700, Opel GM-LL-B-025, Volkswagen VW 501 01, 502 00, VW 503 01 and VW 505 00. SERVICE PRO® Premium Full Synthetic SAE 5W-40 meets API Service Category SN.

PERFORMANCE BENEFITS:

- Our highest level of protection for thermal and oxidation stability
- Formulated for extreme driving conditions
- Outperforms conventional and synthetic blends
- Outstanding low and high temperature performance

TYPICAL PROPERTIES*:

SAE Grade	5W-40
API Gravity @ 60°F	35
Sp. Gr. @ 60°F	0.852
Flash, COC, °F	405
Pour Pt., °F	-35
Viscosity,	
cSt @ 40°C	86
cSt @ 100°C	14.2
Viscosity Index	171

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SPWNFS5W40

Updated: 04/18

AIOD

SERVICE PRO® PREMIUM GL-5 GEAR OILS

Manufactured with virgin base oils

DESCRIPTION: SERVICE PRO® Premium GL-5 Gear Oils are multi-purpose sulfur/phosphorous gear lubricants designed for API Service Classification "GL-5" and "MT-1".

SERVICE PRO® Premium GL-5 Gear Oils are compounded with highly refined base stocks and additives to ensure extreme pressure characteristics, anti-wear, corrosion inhibition, rust preventions, low pour point, and anti-foaming performance. They are fully formulated for limited slip differentials.

APPLICATION: SERVICE PRO® Premium GL-5 Gear Oils meet the requirements of U.S. Military Specification MIL-L-2105D, MIL-L-2105E, SAE J2360, and Mack GO-J.

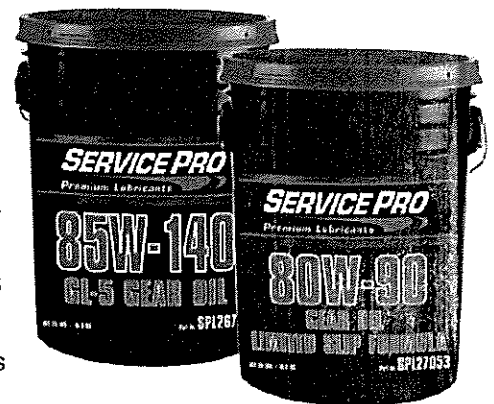
SERVICE PRO® Premium GL-5 Gear Oils are primarily recommended for use in limited slip and conventional differentials of cars, pick up trucks, sport utility vehicles and heavy duty trucks. Always check owner's manual for proper recommendations.

PERFORMANCE BENEFITS:

- Excellent wear protection
- Shear resistant
- Excellent demulsibility, separates water readily
- Excellent rust and corrosion protection
- Full Limited Slip performance

TYPICAL PROPERTIES:

	80W-90	85W-140
Pour Point Deg F.	-15	5
Flash Point, COC, °F	420	430
Viscosity		
@ 40°C, cSt	140	345
@100°C, cSt	14.6	26.3
Viscosity Index	95	95
Gravity, API	24.5	24.6
Color	2.5	3.0
Rust Test, ASTM D665	Pass	Pass



Updated: 11/14
SPWNG15GEARO

SERVICE PRO® PREMIUM MULTI VEHICLE SYNTHETIC BLEND ATF

Manufactured with highly refined base oils

DESCRIPTION: SERVICE PRO® Premium Multi Vehicle Synthetic Blend ATF is a new generation automatic transmission fluid recommended for use in automobile and truck transmissions, power-shift transmissions and other types of service requiring an approved Ford Mercon® V, Mercon®, Dexron® III-H or Allison C-4 automatic transmission fluid. It is approved for use in Voith Transmissions. Approved for ZF applications TE-ML 03D, 04D, 14B, 16L and 17C.

SERVICE PRO® Premium Multi Vehicle Synthetic Blend ATF is also recommended for service fill in Mercon, Chrysler, Honda/Acura, Hyundai, Jeep, Mercedes-Benz, Mitsubishi (Diamond SP-II or SP-III), Nissan (Matic D, J or K)/Infiniti, Saturn, Toyota (T-III & T-IV)/Lexus/Scion, VW/Audi, most European vehicles including BMW & Volvo, most Asian vehicles including Daewoo, Isuzu, Kia, Mazda, and Suzuki.

PERFORMANCE BENEFITS:

SERVICE PRO® Premium Multi Vehicle Synthetic Blend ATF is not for use in transmissions requiring Ford Type F or Dexron® VI, Mercon® SP, LV or in Continuously Variable Transmission (CVT) applications. Always consult your owner's manual where specific automatic transmission fluids are recommended.

- Outstanding resistance to oxidative and thermal breakdown
- Exceptional low temperature fluidity
- Excellent anti-wear properties.
- Stable friction properties
- Excellent gear shift quality throughout service life.

TYPICAL PROPERTIES*:

Gravity, API	32.4
Density, lbs/gals	7.17
Flash, COC, °F	352
Viscosity	
@ 40 Deg. C, cSt	32.6
@ 100 Deg. C, cSt	7.32
Viscosity Index	200
Brookfield Viscosity cP @ -40°C Max	12,000
Color	Red
Voith	Service bulletin #013 & 118
ZF	TE-ML 03D, 04D, 14B 16L, 17C



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Updated: 09/2018

SPWNSBATF

SERVICE PRO® PREMIUM MULTI VEHICLE SYNTHETIC BLEND ATF

**Service Pro Multi-Vehicle Synthetic Blend ATF is suitable for use
in the following applications:**

Allison C-4	Mercedes-Benz 236.3
Audi G-052-025-A1	Mercedes-Benz 236.5
Audi G-052-025-A2	Mercedes-Benz 236.7
Audi G-052-162 A1/A2	Mercedes-Benz 236.9
BMW LA2634	Mercedes-Benz 236.10
BMW LT71141	Mitsubishi Diamond SP-II
Chrysler ATF +4® *	Mitsubishi Diamond SP-III
Dexron® *	Nissan Matic-D
Dexron®-II*	Nissan Matic-J
Dexron®-III D*	Nissan Matic-K
Dexron®-III G*	Shell LA2634
Dexron®-III H*	Subaru ATF HP
Esso LT 71141	Texaco 7045-E
Ford Mercon® *	Texaco ETL-8072 B
Ford Mercon® V*	Texaco N402
Honda/Acura ATF-Z1 (except CVT's)	Toyota Type T-III
Hyundai SP-II	Toyota Type T-IV
Hyundai SP-III	Voith 55.6335.32 (G607), IM1107552A
Idemitsu K17	Volvo 97340
JWS 3309	VW G 052 990 A2 (09A)
Kia SP-II	VW G 055 025 A2 (09G)
Kia SP-III	ZF TE-ML 03D
Kia RED-1K	ZF TE-ML 04D
MAN 339 V1	ZF TE-ML 14A
MAN 339 Z1	ZF TE-ML 14B
MAN 339 Z2	ZF TE-ML 16L
Mazda ATF-111	ZF TE-ML 17C
Mazda ATF-MV	

*Chrysler ATF +4® is a registered trademark of Chrysler Group LLC./ Dexron® is a registered trademark of General Motors Corp./ Mercon® is a registered trademark of Ford Motor Company

Updated: 09/2018
SPWNSBATF



PURUS® SYNTHETIC SAE 5W-40 API CK-4/ SN ENGINE OIL

Manufactured with highly refined base oils and industry leading additive chemistry

DESCRIPTION: PURUS® Synthetic SAE 5W-40 API CK-4/ SN Engine Oil is fully formulated for use in high-speed four-stroke cycle premium diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. This oil is formulated to use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. **PURUS® Synthetic SAE 5W-40 API CK-4/SN Diesel Engine Oil** is designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

APPLICATION: PURUS® Synthetic SAE 5W-40 API CK-4/SN Diesel Engine Oil meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/ SN. This product has OEM Approvals for Ford® Specification WSS-M2C171-F1, Detroit™ DFS 93K222, Mack® EOS-4.5, Volvo® VDS-4.5 and Renault® RLD-4. It also meets or exceeds requirements for Caterpillar ECF-3, ECF-2, Cummins® CES 20086 and 20081, Daimler MB228.31, Detroit™ DFS 93K218, Mack® EO-O Premium Plus, EO-N, MAN M3575, MTU Category 2.1, Renault® RLD-3, and Volvo® VDS 4, VDS-3 and ACEA E9 and ACEA E7.

PERFORMANCE BENEFITS:

- Protects emission control systems
- Outstanding oxidation stability
- Excellent low temperature properties- helps speed cold starts
- Universal product for mixed fleet operations

TYPICAL PROPERTIES*:

Product Data	Test Method	Typical
@ 40° C, cST	D445	88.7
@ 100°C, cST	D445	14.4
Viscosity Index	D2270	169
Pour Point °C (°F)	D97	-40 (-40)
Flash Point °C (°F)	D92	238 (460)
TBN	D2896	11
Sulfated Ash, wt. %	D874	1
Cold Crank Simulator, cP	D5293	6240/-30°C
Mini-Rotary Viscometer TP1, cP	D4684	31300/-35°C



Updated: 02/19

PHDSYN5W40CK
P1

PURUS®

PURUS® SYNTHETIC SAE 5W-40 API CK-4/ SN ENGINE OIL

Manufactured with highly refined virgin base oils and licensed additive systems

API CK-4, CJ-4, CI-4 PLUS, CH-4 /SN	X
Caterpillar® ECF-3, ECF-2,	X
Cummins® CES 20086, 20081	X
Mack® EOS-4.5, EO-O Premium Plus, And EO-N	X
EO-N Premium Plus, EO-M Plus, EO-M	
Mercedes Benz 228.31	X
MAN 3575	X
ACEA E9-2012, E7	X
Volvo® VDS-4.5, VDS 4 and VDS-3	X
Detroit™ DFS 93K222 & DFS 93K218	X
MTU Category 2.1	X
Renault® RLD-4 , RLD- 3	X
Ford® WSS-M2C171-F1	X

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PHDSYN5W40CK

Updated: 02/19

PURUS® SYNTHETIC BLEND SAE 10W-30 API CK-4 ENGINE OIL

Manufactured with highly refined base oils and industry leading additive chemistry

DESCRIPTION: PURUS® SAE 10W-30 API CK-4 Synthetic Blend Diesel Engine Oil is formulated for use in high-speed four-stroke cycle premium diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. This oil is formulated to use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. PURUS® SAE 10W-30 API CK-4 Synthetic Blend Diesel Engine Oil is designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

APPLICATIONS: PURUS® SAE 10W-30 API CK-4 Synthetic Blend Diesel Engine Oil meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4. This product has OEM Approvals for Ford® Specification WSS-M2C171-F1, Cummins® CES 20086, Detroit™ DFS 93K222, Mack® EOS-4.5, Volvo® VDS-4.5 and Renault® RLD-4. It also meets or exceeds requirements for Caterpillar® ECF-3, ECF-2, Cummins® CES 20081, Daimler MB228.31, Detroit™ DFS 93K218, Mack® EO-O Premium Plus, EO-N, MAN M3575, MTU Category 2.1, Renault® RLD-3, and Volvo® VDS-4, VDS-3 and ACEA E9, ACEA, E7.

**PERFORMANCE
BENEFITS:**

- Protects emission control systems
- Outstanding oxidation stability
- Synthetic Blend formulation
- Universal product for mixed fleet operations
- Excellent low temperature properties helps speed cold starts

**TYPICAL
PROPERTIES*:**

Product Data	Test Method	Typical
@ 40° C, cST	D445	82.0
@ 100° C, cST	D445	12.3
Viscosity Index	D2270	146
Pour Point °C (°F)	D97	-33 (-27)
Flash Point °C (°F)	D92	238 (460)
Sulfated Ash, wt. %	D874	1.0
Cold Crank Simulator, cP	D5293	5970/-25°C
Mini-Rotary Viscometer TPI, cP	D4684	21900/-30°C
High Temperature High Shear, HTSH @150°C, cP	D4683	3.5
TBN	D2896	10



Updated: 10/17 p1

PHD1030CK

PURUS[®] SYNTHETIC BLEND SAE 10W-30 CK-4 ENGINE OIL

SAE Grade	10W-30
API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4	X
Ford [®] Specification WSS-M2C171-F1	X
Caterpillar [®] ECF-3, ECF-2	X
Cummins [®] CES 20086, 20081	X
Mack [®] EOS-4.5, EO-O Premium Plus, and EO-N	X
MAN M3575	X
Volvo [®] VDS-4.5, VDS-4, VDS-3	X
Detroit [™] DFS 93K222 & DFS 93K218	X
Daimler MB228.31	X
MAN M3575	X
MTU Category 2.1	X
Renault [®] RLD-4, RLD-3	X
ACEA E9-2012, E7	X



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Updated: 10/17

PHD1030GK
p2

SERVICE PRO® SYNTHETIC BLEND SAE 15W-40 API CK-4/SN ENGINE OIL

Manufactured with highly refined base oils and industry leading additive chemistry

DESCRIPTION: Service Pro® SAE 15W-40 API CK-4/SN Synthetic Blend Diesel Engine Oil is formulated for use in high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. This oil is formulated to use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. Service Pro® SAE 15W-40 API CK-4/SN Synthetic Blend Diesel Engine Oil is designed to provide enhance protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

APPLICATIONS: Service Pro® SAE 15W-40 API CK-4/SN Synthetic Blend Diesel Engine Oil meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/ SN and has OEM Approvals for Ford® Specification WSS-M2C171-F1, Cummins® CES 20086, Detroit™ DFS 93K222, Mack® EOS-4.5, Volvo® VDS-4.5 and Renault® RLD-4. It also meets or exceeds requirements for Caterpillar® ECF-3, ECF-2, Cummins® CES 20081, Daimler MB228.31, Detroit™ DFS 93K218, Mack® EO-O Premium Plus, EO-N, MAN M3575, MTU Category 2.1, Renault® RLD-3, and Volvo® VDS-4, VDS-3 and ACEA E9 and ACEA E7.

- PERFORMANCE BENEFITS:**
- Protects emission control systems
 - Outstanding oxidation stability
 - Synthetic Blend formulation
 - Universal product for mixed fleet operations
 - Excellent low temperature properties helps speed cold starts

TYPICAL PROPERTIES*:	Product Data	Test Method	Typical
	@ 40° C, cST	D445	116
	@ 100° C, cST	D445	15.7
	Viscosity Index	D2270	143
	Pour Point °C (°F)	D97	-33 (-27)
	Flash Point °C (°F)	D92	238 (460)
	Sulfated Ash, wt.%	D874	1.0
	Cold Crank Simulator, cP	D5293	5250/-20°C
	Mini-Rotary Viscometer TPI, cP	D4684	19700/-25°C
	High Temperature High Shear, HTSH @150°C, cP	D4683	4.1
	TBN	D2896	10



SERVICE PRO® SYNTHETIC BLEND SAE 15W-40 API CK-4/SN ENGINE OIL

SAE Grade	15W-40
API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4,/SN	X
Ford® Specification WSS-M2C171-F1	X
Caterpillar® ECF-3, ECF-2	X
Cummins® CES 20086, 20081	X
Mack® EOS-4.5, EO-O Premium Plus and EO-N	X
MAN M3575	X
Volvo® VDS-4.5, VDS-4, VDS-3	X
Detroit™ DFS 93K222 & DFS 93K218	X
Daimler MB228.31	X
MTU Category 2.1	X
Renaul® RLD-4, RLD-3	X
ACEA E9-2012, E7	X



1540CK4 p2

Updated: 10/17

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AIOD

SERVICE PRO® PREMIUM GL-5 GEAR OILS

Manufactured with virgin base oils

DESCRIPTION: SERVICE PRO® Premium GL-5 Gear Oils are multi-purpose sulfur/phosphorous gear lubricants designed for API Service Classification "GL-5" and "MT-1".

SERVICE PRO® Premium GL-5 Gear Oils are compounded with highly refined base stocks and additives to ensure extreme pressure characteristics, anti-wear, corrosion inhibition, rust preventions, low pour point, and anti-foaming performance. They are fully formulated for limited slip differentials.

APPLICATION: SERVICE PRO® Premium GL-5 Gear Oils meet the requirements of U.S. Military Specification MIL-L-2105D, MIL-L-2105E, SAE J2360, and Mack GO-J.

SERVICE PRO® Premium GL-5 Gear Oils are primarily recommended for use in limited slip and conventional differentials of cars, pick up trucks, sport utility vehicles and heavy duty trucks. Always check owner's manual for proper recommendations.

PERFORMANCE

BENEFITS:

- Excellent wear protection
- Shear resistant
- Excellent demulsibility, separates water readily
- Excellent rust and corrosion protection
- Full Limited Slip performance

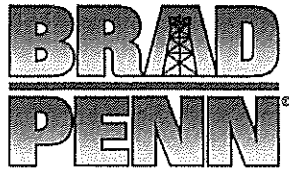
TYPICAL PROPERTIES:

	80W-90	85W-140
Pour Point Deg F.	-15	5
Flash Point, COC, °F	420	430
Viscosity		
@ 40°C, cSt	140	345
@100°C, cSt	14.6	26.3
Viscosity Index	95	95
Gravity, API	24.5	24.6
Color	2.5	3.0
Rust Test, ASTM D665	Pass	Pass



AIOD

Updated: 11/14
SPWNGI5GEARO



Product Data Sheet

Page 1 of 2

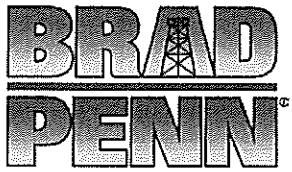
DDS PLUS 9124 FM 9 TBN SAE 40 RAILROAD ENGINE OIL

BRAD PENN® DDS Plus 9124 FM 9 TBN SAE 40 Railroad Engine Oil represents the latest advancement in zinc free railroad diesel engine oil technology. It is a unique *'Functionalized Monograde™' (FM)* formulation that maintains the reduced oil consumption cost savings of a multi-viscosity engine oil while providing improved performance characteristics.

BRAD PENN® DDS Plus 9124 FM 9 TBN SAE 40 Railroad Engine Oil is designed to meet the changing needs of today's railroad diesel engines in light of progressive emission standards and the use of low sulfur and ultra low sulfur fuels. It offers reduced SAPS (sulfated ash, phosphorous and sulfur), advanced detergency and dispersancy technology and increased yellow metal anti-wear protection critical to satisfactory operation and long component life of exhaust aftertreatment devices such as particulate filters and oxidation catalysts. The exceptional Total Base Number retention and oil consumption reduction characteristics of the oil are directly linked to its superior oxidation control, viscosity retention, shear stability, acid production control and wear protection. BRAD PENN® DDS Plus 9124 FM 9 TBN SAE 40 Railroad Engine Oil offers the highest levels of oil performance and quality to insure superior engine productivity, maximum power utilization and reduced life-cycle maintenance costs.

BRAD PENN® DDS Plus 9124 FM 9 TBN SAE 40 Railroad Engine Oil is specifically designed for use in medium-speed two-cycle and four-cycle diesel engines such as those typically employed in railroad locomotives and certain marine applications. Approvals and specifications include:

- LMOA Generation VI
- General Electric Generation 4, Long Life
- Internal Listing with Electro-Motive Diesel (EMD)



Product Data Sheet

Page 2 of 2

BRAD PENN® DDS Plus 9124 FM 9 TBN SAE 40 Railroad Engine Oil Typical Properties

	Test Method	
SAE Grade		40
Gravity, API	ASTM D-4052	27.8
Density, lbs/gal (g/L)	Calculated	7.397 (886)
Viscosity, cSt @ 40°C	ASTM D-445	137
Viscosity, cSt @ 100°C	ASTM D-445	14.7
Viscosity Index	ASTM D-2270	106
Pour Point, °F (°C)	ASTM D-5949	0 (-18)
Flash Point, °F (°C)	ASTM D-92	450(232)
Color	ASTM D-1500	Opaque
TBN, (mg KOH/g)	ASTM D-2896	9.2
Sulfated Ash, mass %	ASTM D-874	1.0
Zinc, ppm (max)	Method 16	10
KF Moisture, ppm (max)	ASTM D-6304	1000
Product Code		7272

SERVICE PRO® AUTOMATIC TRANSMISSION FLUID MULTI-PURPOSE ATF

Manufactured with highly refined base oils

DESCRIPTION: SERVICE PRO® Automatic Transmission Fluid Multi-Purpose ATF is a multi-purpose automatic transmission fluid (ATF) and is recommended as a replacement fluid for automatic transmissions meeting original equipment manufacturer's (OEM) performance requirements of General Motors, Ford, and other domestic and imported passenger cars, vans and light trucks where Dexron II, Dexron II-E, Dexron III-G, Dexron III, H Revision, Automatic Transmission Fluid, or Ford Mercon fluids are specified. It is also recommended for Allison TES 389, C-3, C-4 applications, and Caterpillar TO-2 applications. SERVICE PRO® Automatic Transmission Fluid Multi-Purpose ATF is suitable for most power steering units. Other manufacturer suggested applications include mobile hydraulic and industrial systems, and rotary air compressors under certain service conditions.

Not for use in vehicles requiring Ford Type F, Mercon V, SP, LV, Chrysler ATF fluids, or Dexron VI. Not for use in 6-speed or continuously variable transmissions (CVT). Always check your owner's manual for proper application

- PERFORMANCE BENEFITS:**
- Excellent low temperature fluidity for good cold-start shifting
 - Resistance to foaming
 - Oxidation and thermal stability for long life
 - Protection against rust, corrosion and wear
 - Multiple approvals for lower inventory requirements
 - Compatible with all transmission seal material

TYPICAL PROPERTIES*:	Appearance	Red, Dyed	
	Viscosity		
		@ 40 °C, cSt	33.37
		@ 100 °C, cSt	6.87
	Viscosity Index		161
	Pour Point, °F		-50
	API Gravity		33
	Specific Gravity @ 60°F		0.8602
	Pounds per gallon		7.163
	Flash Point COC, °F		405
	Dexron III G		Y
	Dexron III H		Y
	Mercon		Y
	Allison C-4		Y
Cat TO-2		Y	

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Updated: 09/2018

SPWNMPATFH



SERVICE PRO® PREMIUM UNIVERSAL CVT FLUID

DESCRIPTION: SERVICE PRO® Premium Universal CVT Fluid eliminates the need to stock various OEM fluids with this universal formula that's for use in any type of CVT transmission.

Note: CVT Applications calling for Mercon, use Dexron® VI. Not for use in Toyota Hybrid CVTs, like those found in Prius.

PERFORMANCE BENEFITS: SERVICE PRO® Premium Universal CVT Fluid:

- Now for use in all CVTs; belt and chain types
- Provides longer anti-shudder performance
- Minimizes friction between belts and pulleys which protects against fatigue damage
- Maintains the performance of a continuously variable transmission by providing excellent wear protection
- Imparts both shear and oxidation stability to the fluid

TYPICAL PROPERTIES:

For use as replacement for the following OEM CVT Fluids:

Audi/VW G 052 180 A2	Mercedes Benz CVT 28
Audi/VW G 052 516 A2	MINI Cooper CVT
BMW 83 22 0 136 376	Mitsubishi Dia Queen CVTFJ1
BMW 83 22 0 429 154	Mitsubishi Invecs III CVT
Daihatsu TC	Mitsubishi Sportsmode 6 CVT
DEXRON® CVT	Mopar® CVT+4 (VTF)
Esso CVT EZL 799 (VTF)	Motorcraft XT-7-QCFT CVTF
Ford CVT WSS-M2C-933-A	Nissan CVT NS
Ford CVT23	Nissan CVT NS-1 (VTF)
Ford CVT30	Nissan CVT NS-2 (VTF)
Ford Mercon C	Saturn CVT
Fujitsu ECVT	Subaru CVTF
Fujitsu ICVT	Subaru Lineartronic CVTF
Genuine Honda CVT	Suzuki CVTF 3320
Honda Multimatic Fluid (HMMF)	Suzuki CVT Green 1
Hyundai CVTF	Suzuki NS-2
Kia CVTF	Suzuki TC
Mazda CVT Fluid 3320	Toyota TC CVT
Mazda TC	ZF CVT VT1
Mercedes Benz 236.20	



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Updated: 02/2014
SPILCVT



Mobil Delvac 1™ Gear Oil 80W-140

Mobil Commercial Vehicle Lube, Mexico

Supreme Performance Commercial Gear Lubricants

Product Description

Mobil Delvac 1™ Gear Oil 80W-140 are synthetic drivetrain lubricants engineered to meet the most demanding extended drain and warranty requirements. These products are designed for use in heavy-duty drivetrains that require gear lubricants with relatively high viscosity and excellent load-carrying capability and where extreme pressures and shock loading are expected. Mobil Delvac 1 Gear Oil 80W-140 incorporate the latest technology in synthetic basestocks and advanced additives providing significant advantages over mineral gear oils.

The state-of-the-art technology in Mobil Delvac 1 Gear Oil 80W-140 delivers unsurpassed performance for low and high temperature application, protection against thermal degradation and oxidation, reduced wear and corrosion, improved shear stability, extended service capability, and excellent fuel economy. These products meet or exceeds the requirements of API service MT-1/GL-5 EP gear oil service classification and are recommended by ExxonMobil for use in applications requiring the MIL-PRF-2105E specification.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty on and off-highway equipment load, torque, speed, and control through innovative drivetrain designs. These designs have changed and increased the requirements of lubricants to deliver this higher level of performance, increase productivity, and reduce operating costs. For heavy-duty final drives, friction control, wear protection, thermal stability, shear stability, rust and corrosion prevention, and seal protection are features that must be optimally balanced to provide extended gear and seal life, smooth operation, improved fuel economy and high load high torque capability over a wide range of applications. The key benefits of Mobil Delvac 1 Gear Oil 80W-140 include:

Features

Advantages and Potential Benefits

Exceptional thermal stability and resistance to high temperature oxidation

Extended gear and bearing life due to minimal deposits

Outstanding protection against low speed/high torque wear and high speed scoring

Longer seal life

Increased load-carrying capability

Exceptional shear stability

Reduced maintenance costs and longer equipment life

Retains viscosity and film strength under severe operating conditions to prevent wear

Excellent rust, staining, and corrosion protection of copper and its alloys

Reduced wear and longer component life

Enhanced friction reduction properties

Improved fuel economy and reduced operating costs

Outstanding low temperature fluidity versus mineral oils

Reduced wear and ease of start-up

Good resistance to foaming

Maintains film strength for reliable lubrication

Compatible with typical automotive seals and gaskets

Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty manual transmissions, axles and final drives requiring API GL-5 and MT-1 performance
- On-highway light and heavy-duty trucks, busses and vans
- Off-highway industries including: construction, mining, quarrying, and agriculture

- Other heavy-duty industrial gear drives including hypoid and worm gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Differentials, final drives, transfer cases and other gear applications where lubricants meeting MIL-PRF-2105E, API Service GL-5 , EP gear lubricants are recommended
- Equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures
- Applications where extended service intervals and warranties are required
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for automatic, manual or semiautomatic transmissions for which engine oil or automatic transmission fluids are recommended

Specifications and Approvals

Mobil Delvac 1 Gear Oil meets or exceeds the requirements of the following industry and builder specifications: 80W-140

API GL-5/MT-1	X
Scania STO 1:0	X

Mobil Delvac 1 Gear Oil has the following builder approvals: 80W-140

DANA SHAES 429	X
Mack GO-J	X
ZF TE-ML 05A, 12M, 16F, 21A	X
Navistar MPAPS B-6821	X
SAE J2360	X

Mobil Delvac 1 Gear Oil is recommended by ExxonMobil for use in applications requiring: 80W-140

MIL-PRF 2105E	X
DANA SHAES 256 Rev A	X

Typical Properties

Mobil Delvac 1 Gear Oil	80W-140
SAE Grade	80W-140
Viscosity, ASTM D 445	
cSt @ 40°C	244
cSt @ 100°C	27.9
Viscosity Index, ASTM D 2270	150
Pour Point, °C, ASTM D 97	-47
Flash Point, °C, ASTM D 92	210
Density @ 15°C kg/l, ASTM D 4052	0.870

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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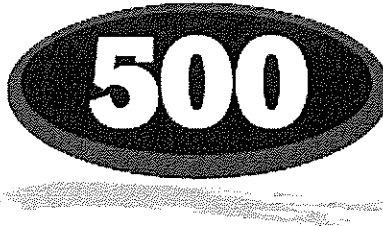
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HICKS oils
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DuQuoin, IL 62832

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F O R M U L A



Conventional CK-4 Motor Oils

FORMULA 500[®] CK-4 Motor Oils are for use in diesel engines under service conditions from mild to heavy duty with fuel of any sulfur level. These oils are recommended for use in nearly all two- and four-cycle diesel applications. The current formulation meets all API Service Classifications up to CK-4 including CJ-4, CI-4, CI-4 PLUS, and CH-4. FORMULA 500[®] CK-4 Motor Oils are also suitable where Cummins CES 20086, Mack EOS-4.5, Detroit Diesel DDC93K222, Volvo VDS-4.5, Renault VI RLD-4, CAT[®] ECF-3 and ECF-1-a, MAN 3575, JASO DH-2, Ford WSS-W2C171-E, MB 228.31, Deutz DQC III-10 LA, and ACEA E7-12 and E9-12 specifications are demanded.

FORMULA 500[®] CK-4 Motor Oils are licensed by the API as CK-4 motor oils. This formal approval demonstrates the commitment of FORMULA 500[®] to produce quality products on the leading edge of lubrication technology.

This oil should not be used in Caterpillar TO-4 applications, two-cycle gasoline engines, aircraft engines, or EMD Diesel engines.

Typical Properties:

Product: FORMULA 500 [®] CK-4 Motor Oils		
Product Code:	71117	71119
SAE Viscosity Grade	10W-30	15W-40
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	11.85	15.40
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	81.62	115.40
Viscosity Index (ASTM D-2270)	139	140
Total Base Number (ASTM D-2896)	10	10
Flash Point °C (°F) (ASTM D-92)	241	241
Pour Point °C (°F) (ASTM D-97)	-36	-32
Zn (ppm)	1250	1250
Ca (ppm)	2360	2360
P (ppm)	1120	1120



LUBRICANTS

Fleet Supreme EC® Diesel Engine Oil

Phillips 66® Fleet Supreme EC (Emission Compatible) Diesel Engine Oil is an API CK-4 engine oil developed for use in four-stroke cycle diesel engines designed to meet 2007 and later EPA on-highway exhaust emissions standards. It is specially formulated for compatibility with exhaust aftertreatment systems using diesel particulate filters (DPFs), diesel oxidation catalysts (DOCs) and/or selective catalytic reduction (SCR). It is backward serviceable for use in pre-2007 diesel engines.

Fleet Supreme EC Diesel Engine Oil is designed for use in mixed fleets with both on-highway and off-road equipment operating in varying climates and under varying loads and service conditions. It has excellent soot dispersancy to protect against soot-induced oil thickening and abrasive wear, and excellent oxidation resistance to help minimize deposit formation. The low-ash formulation protects exhaust catalysts on low-emission engines and helps prolong DPF life.

Fleet Supreme EC Diesel Engine Oil meets or exceeds the performance requirements of API Service Category CK-4 and is approved under the latest OEM specifications for use in low-emission diesel engines. It is backward serviceable for use where earlier API "C" category engine oils, or the concurrent earlier OEM specifications, are specified. It is formulated for use in diesel engines operating on diesel fuels with sulfur content up to 500 ppm. However, for applications not using Ultra-Low Sulfur Diesel (ULSD), consult the engine manufacturer for recommended service interval.

Applications

- On-highway diesel trucks equipped with EGR and exhaust aftertreatment systems to meet 2007/2010 emissions standards
- Older diesel equipment with conventional, non-EGR engines or ACERT engines
- Off-highway construction, earth moving and mining equipment

Fleet Supreme EC Diesel Engine Oil is licensed or OEM-certified for:

- API Service CK-4, CJ-4, CI-4 PLUS, SN (SAE 15W-40 only)
- Cummins CES 20086
- Detroit Diesel DFS 93K222
- Mack EOS 4.5
- Mercedes-Benz Sheet 228.31 (SAE 15W-40)
- MTU MTL 5044 Type 2.1 (SAE 15W-40)
- Renault VI RLD-4
- Volvo VDS-4.5
- Ford WSS-M2C171-F1

API CK-4 Diesel Engine Oil for Low-Emission Engines





LUBRICANTS

Fleet Supreme EC Diesel Engine Oil meets or exceeds the requirements of:

- ACEA E9
- Caterpillar ECF-3, ECF-2, ECF-1-a
- Chrysler MS-10902 (SAE 15W-40)
- Diesel engines manufactured by OEMs not listed above, where the OEM specifies API CK-4 engine oil

Features/Benefits

- Synthetic Blend (SAE 10W-30)
- Excellent protection for newer low-emission diesel engines and older diesel engines
- Specially formulated to protect exhaust aftertreatment systems
- Protects against particulate filter plugging
- Excellent soot control for protection against abrasive wear and soot-induced oil thickening
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Protects against rust, bearing corrosion and wear
- Good resistance to foaming and aeration

Fleet Supreme EC® Diesel Engine Oil

Typical Properties		
SAE Grade	10W-30	15W-40
Specific Gravity @ 60°F	0.871	0.879
Density, lbs/gal @ 60°F	7.26	7.32
Color, ASTM D1500	4.0	4.0
Flash Point (COC), °C (°F)	227 (441)	227 (441)
Pour Point, °C (°F)	-45 (-49)	-38 (-36)
Viscosity, Kinematic		
cSt @ 40°C	82.0	117
cSt @ 100°C	12.0	15.2
Viscosity Index	143	135
Cold Cranking Viscosity, cP @ (°C)	6000 (-25)	5800(-20)
High-Temp/High-Shear Viscosity, cP @ 150°C	3.6	4.3
Sulfated Ash, ASTM D874, wt %	1.00	1.00
Total Base Number (TBN), ASTM D2896	9.7	9.7
Zinc, wt %	0.125	0.125
Phosphorus wt%	0.1116	0.1116

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

3-8-2019

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Mobil Delvac 1 ATF

Mobil Commercial Vehicle Lube, United States

Advanced Technology Synthetic Automatic Transmission Fluid

Product Description

Mobil Delvac 1 ATF is a fully synthetic fluid recommended by Allison Transmission, Inc. approved against the Allison TES-295 Specification. The fluid is designed to meet the demanding requirements of modern heavy duty automatic transmissions. The synthetic base oil composition enables excellent performance even in some of the harshest of operating conditions. It offers outstanding gear shifting and power transfer performance. Versus conventional ATF fluids, the inherently high viscosity index and stability of Mobil Delvac 1 ATF protects against thermal breakdown at high operating temperatures, while still providing outstanding performance at sub-zero temperatures.

Features and Benefits

Mobil Delvac 1 ATF advanced technology has demonstrated extended drain, long-term friction retention, and low-temperature capability. Further, it improves overall transmission durability and cleanliness. Key features and benefits include

Features	Advantages and Potential Benefits
Enhanced, long-term frictional properties.	Helps improve overall and extends transmission efficiency, smooth shifting performance and fuel economy.
Exceptional thermal and oxidation stability.	Keeps transmissions clean to extend life and performance even under some of the harshest driving conditions.
Outstanding film-strength and anti-wear properties.	Significant wear reduction and long transmission life.

Excellent low-temperature fluidity.	Provides prompt and reliable lubrication at sub-zero ambient temperatures down to -54° C.
Exceptional shear stability.	Leads to viscosity retention even under the severest heavy duty, high temperature operating conditions.
Compatible with mineral ATF fluids	Reduced concern in top-off situations and excellent seal materials leakage control.

Applications

Mobil Delvac 1 ATF is recommended by ExxonMobil for use in modern high performance trucks, buses, utility vehicles, haulers, vans and other equipment requiring Allison TES-295 or MB-Approval 236.91 performance levels.

Specifications and Approvals

Mobil Delvac 1 ATF has the following builder approvals:

Allison TES-295 (AN - 051005)	X
Allison TES-468	X
MB-Approval 236.91	X
ZF TE-ML 03M/04D/ 14C/ 16M/ 20C	X
MAN 339 Typ V2/ Typ Z12/ Typ Z3	X
Voith Turbo H55.633639	X
Voith Turbo DIWA Service Bulletin 013 & 118- Extended Drain	X

Typical Properties

Mobil Delvac 1 ATF

Viscosity, ASTM D 445	
cSt @ 40°C	39
cSt @ 100°C	7.3
Brookfield Viscosity, ASTM D 5293	
-cP @ -40°C	8400
Viscosity Index, ASTM D 2270	168
Pour Point, °C, ASTM D 97	-54
Flash Point, °C, ASTM D 92	236
Density @15°C kg/l, ASTM D 4052	0.85
Color	Red

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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PRESTIGE FLEET GUARD SYNTHETIC MTL CD-50

Prestige Fleet Guard Synthetic MTL CD-50 is a synthetic transmission fluid formulated for severe duty and extended drain in heavy duty transmissions.

Prestige Fleet Guard Synthetic MTL CD-50 is made using synthetic basestock providing superior all-weather, year-round performance. It also contains anti-wear additive, anti-foam, rust, corrosion, and oxidation inhibitors that protect and reduce wear of transmission components.

The high viscosity index, low pour point, and cold weather pumpability provide exceptional cold weather shifting, improved fuel economy, and less wear in addition to superior high temperature lubrication.

Meets or exceeds the following performance levels:

- Eaton PS 164 Rev 7
- Navistar TMS 6816
- Mack TO-A Plus
- Volvo I-Shift
- API MT-1
- ZF Freedomline

PROPERTIES

Viscosity cSt @ 40 C	139
Viscosity cSt @ 100 C	18
Viscosity Index	144
Flash Point – Degrees C	225
Pour Point – Degrees C	< -40
Channel Point – Degrees C	< -50
Copper Corrosion ASTM D 130	Pass
FZG Stage Pass	10

FOR MORE INFORMATION

To learn more about *Prestige Fleet Guard Synthetic MTL CD-50* or other Prestige products, please contact Oil Service at:

1-800-642-7429 or sales@oilservice.com

Rev 5/2/2013



PRESTIGE AW HYDRAULIC OILS

PRODUCT DESCRIPTION

Prestige AW Hydraulic Oils are premium quality, high viscosity index (VI), anti-wear hydraulic oils. These oils are specifically formulated to lubricate and protect today's hydraulic systems operating at high pressures and temperatures and with close tolerances, operating where extremes of pressure, temperature, and pump speed are encountered.

They also offer excellent water separation properties, rust protection, and antifoam protection.

Prestige AW Hydraulic Oils are formulated from selected base stocks and additives compounded to provide excellent properties of anti-wear, oxidation stability, anti-corrosion, low foam and pour point.

BENEFITS

- Premium anti-wear hydraulic oil inhibits rust, corrosion and oxidation
- Remains stable when exposed to moisture and at extreme temperatures
- Excellent protection against corrosion, rust and oxidation.
- Contains zinc/phosphorous anti-wear additive package to minimize wear in high-speed, high-pressure vane, gear and piston pumps.

- Demulsifying additive to help separate water rapidly.
- Longer pump life due to outstanding wear protection in a wide variety of in-plant and mobile equipment.
- Compatible with common filter media.

PRODUCT APPROVALS

Prestige AW Hydraulic Oils meet or exceed one or more of the following specifications.

- Cincinnati Milacron P-68, P-69, P-70
- Denison HF-0, T6-C, HF-2
- Vickers 35VQ25
- Sperry Vickers I-286-S
- Ford M6C32
- Chrysler, General Motors LS-2
- US Steel 136

FOR MORE INFORMATION

To learn more about **Prestige AW Hydraulic Oils** or other Prestige products, please contact Oil Service.

1-800-642-7429 or sales@oilservice.com

TYPICAL PROPERTIES

	22	32	46	68	100	150
Specific Gravity @ 15.6 Deg. C	0.855	0.857	0.861	0.867	0.874	0.879
Viscosity @ 40 Deg. C, cSt	22.3	32.0	43.6	66.2	97.4	145.3
Viscosity @ 100 Deg. C, cSt	4.5	5.6	6.8	9.0	11.6	14.8
Viscosity Index	111	115	113	111	107	102
Pour Point, Deg °C.	-42	-36	-33	-33	-21	-15
Flash Point, Deg °C.	210	230	242	246	248	258
Oxidation, ASTM D943, Hrs.	4000	4000	4000	2500	1500	1500
Rust Protection, ASTM D665 A&B	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion, ASTM D130	1A	1A	1A	1A	1A	1A



LUBRICANTS

T5X® Heavy Duty Diesel Engine Oil

Phillips 66® T5X Heavy Duty Diesel Engine Oil is a high-quality diesel engine oil designed for use in a wide variety of applications, including off-highway diesel equipment, farm machinery, marine engines, 2-stroke cycle diesel engines (SAE 40 only) and mixed commercial fleets. It also may be used in some heavy-duty manual transmissions in trucks and buses.

T5X Heavy Duty is formulated to provide excellent wear protection, to minimize the formation of sludge and varnish, to protect against rust and bearing corrosion, and to resist foaming. It has excellent soot dispersancy to protect against abrasive wear and soot-induced oil thickening, and excellent oxidation resistance to help minimize deposit formation. The SAE 40 viscosity grade has low ash content to help minimize ash deposits and keep intake ports clear to maintain good power output in 2-stroke cycle applications.

T5X Heavy Duty SAE 30 & SAE 50 meets or exceeds the performance requirements of API Service Categories CF and SL. They are recommended primarily for use in off-highway diesel equipment and mixed commercial fleets with both diesel and gasoline vehicles.

T5X Heavy Duty SAE 40 meets or exceeds the performance requirements of API Service Categories CF-2 and CF, and also may be used in applications where API CD quality oil is specified. It is particularly recommended for use in 2-stroke cycle diesel engines in transit buses and marine fleets running on low-sulfur diesel fuel.

Applications

- 2-stroke cycle diesel engines in bus fleets and marine fleets (SAE 40)
- Off-highway trucks, heavy equipment and farm equipment
- Light trucks and farm equipment with gasoline engines (SAE 30, SAE 50)
- Heavy-duty manual transmissions in trucks and buses where the OEM specifies engine oil

T5X Heavy Duty meets or exceeds the requirements of:

- API Service CF-2⁽¹⁾, CF⁽¹⁾ (SAE 40)
- API Service CF⁽¹⁾, SL (SAE 30, SAE 50)
- Detroit Diesel 2-stroke cycle engines, Oil Type 1 (1.0% max. sulfated ash)
(SAE 40)

⁽¹⁾ Obsolete service category.

**Heavy-Duty
Monograde
Diesel Engine
Oil**





Features/Benefits

- Excellent soot control for protection against abrasive wear and soot-induced oil thickening
- Protects against sludge and varnish formation
- Protects against scuffing and wear
- Protects against rust and bearing corrosion
- Good resistance to foaming and aeration
- Low-ash content to minimize ash deposits and help keep intake ports clean (SAE 40)

T5X[®] Heavy Duty Diesel Engine Oil

Typical Properties			
SAE Grade	30	40	50
Specific Gravity @ 60°F	0.883	0.886	0.891
Density, lbs/gal @ 60°F	7.35	7.38	7.42
Color, ASTM D1500	4.0	4.0	4.0
Flash Point (COC), °C (°F)	230 (446)	235 (455)	240 (464)
Pour Point, °C (°F)	-33 (-27)	-27 (-17)	-27 (-17)
Viscosity, Kinematic			
cSt @ 40°C	92.0	142	224
cSt @ 100°C	11.3	15.0	20.0
Viscosity Index	110	106	103
High-Temp/High-Shear Viscosity, cP @ 150°C	3.4	4.2	5.7
Sulfated Ash, ASTM D874, wt %	1.39	0.90	1.39
Total Base Number (TBN), ASTM D2896	10.5	6.8	10.5
Zinc, wt %	0.119	0.077	0.119

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

09-14-2016

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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***ITASCA OUTDOORS
2-Cycle Engine Oil***

Warren Oil Company

Product Data Sheet

Itasca Outdoors 2-Cycle Engine Oil is specifically formulated for 2-cycle engines such as motorbikes, scooters, lawnmowers, pumps, garden tractors, chain saws and string trimmers.

Benefits

- Meets the requirements of JASO FB
- Low Ash content
- Contains anti-scuffing compounds for extra protection
- Mixes readily with gasoline
- Dyed for easy identification
- Provides rust and corrosion protection

Follow manufacturer's recommended mix: For 16-to-1 proportions mix 8 oz. with one gallon of gasoline. For 32-to-1 proportions mix 8 oz. with two gallons of gasoline. For 50-to-1 proportions mix 8 oz. with three gallons of gasoline. To mix, partially fill clean can with gasoline and add correct amount of Itasca Outdoor 2-Cycle Engine Oil. Shake well, then add remainder of gasoline to achieve proper proportions.

Typical Characteristics

**ITASCA
Outdoor 2-Cycle Oil**

Gravity, API	0.8937
Pound per gallon	7.45
Viscosity (typical)	
@40 Deg. C, cSt	67.5
@100 Deg. C, cSt	8.3
Viscosity Index	90
Pour Point Deg. F	-20
Calcium Content, ppm	170
Appearance	Green

Warren Oil Company, Inc.
*Dunn, NC 28334; Benton, AL 36758; San Antonio, TX 78210;
Marion, IL 62959; Johnstown, PA 1590; West Memphis, AR 72303*

ITASCA Marine

2-Cycle Outboard TC-W3[®] Engine Oil



Warren Oil Company

Product Data Sheet

ITASCA MARINE 2- CYCLE OUTBOARD TC-W3 ENGINE OIL Is formulated from premium base stocks, along with ashless additives to provide outstanding protection against piston scuffing, bearing wear, ring sticking and rust in marine applications where a certified National Marine Manufacturer's Association (NMMA) TC-W3[®] lubricant is required.

ITASCA MARINE 2- CYCLE OUTBOARD TC-W3 ENGINE OIL is also recommended for use in applications where TC-W[®], TC-WII[®], TC-W3[®] and JASO FB and API TC two-cycle air-cooled category's are required.

It exceeds the warranty requirements of Evinrude[®], Mercury[®], Johnson[®], Yamaha[®], Mariner[®], Suzuki[®] as well as all other makes and models of High Performance Outboard Engines and all two-cycle engines where a TC-W3[®] product is required. It may also be used in both oil-injected engines as well as those where the oil is mixed with the fuel.

ITASCA MARINE 2- CYCLE OUTBOARD TC-W3 ENGINE OIL is dyed BLUE for easy identification.

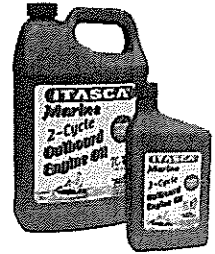
Benefits

- Resistant to piston scuffing and ring sticking
- Minimizes engine deposits and port plugging
- Mixes readily with gasoline
- Dyed for easy identification
- Provides rust and corrosion protection

Warren Oil Company, Inc.

*Dunn, NC 28334 : Benton, AL 36758: San Antonio, TX 78210:
Marion, IL 62959: Johnstown, PA 15909: West Memphis, AR 72303*

ITASCA Marine 2-Cycle Outboard TC-W3 Engine Oil



Warren Oil Company

Product Data Sheet

Fuel Mixing Table

Ounces of Oil to Gallon of Gasoline (U.S. Measure)

Ratio Gas to Oil	1 Gal. oz.	2 Gal. oz.	3 Gal. oz.	4 Gal. oz.	5 Gal. oz.	6 Gal. oz.
16:1	8	16	24	32	40	48
20:1	6	13	19	26	32	38
25:1	5	10	15	20	26	31
50:1	3	5	8	10	13	16
100:1	1.5	2.6	4	5	6.4	8

Typical Characteristics

ITASCA Outboard TC-
W3 Motor Oils

Outboard
TC-W3

Gravity, API	32.0
pounds/gal.	7.21
Viscosity (typical)	
@40 Deg. C, cSt	45.0
@100 Deg. C, cSt	7.94
Viscosity Index	149
Pour Point Deg. F	-44
Ash, wt %	None
Appearance	Blue

Case Pallet Specifications:

702196	12/1 qt.	6 rows/14 count	84/pallet
702197	6/1 gal.	4 rows/9 count	36/pallet
702198	55 gal.	4 count	4/pallet

Warren Oil Company, Inc.

Dunn, NC 28334 : Benton, AL 36758: San Antonio, TX 78210:
Marion, IL 62959: Johnstown, PA 15909: West Memphis, AR 72303