



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 8

List View

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

Procurement Folder: 564859

Procurement Type: Statewide MA (Open End)

Vendor ID: 00000223741

Legal Name: NCH CORPORATION

Alias/DBA:

Total Bid: \$0.00

Response Date: 04/05/2019

Response Time: 11:14

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: 8

Total of All Attachments: 8



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 ESR04051900000004596	1

VENDOR
000000223741 NCH CORPORATION

Solicitation Number: CRFQ 0212 SWC1900000011

Total Bid : \$0.00 **Response Date:** 2019-04-05 **Response Time:** 11:14:08

Comments: FREIGHT IS INCLUDED IN ALL PRICING, CONTAINER SIZES ARE STATED FOR EACH LINE ITEM BID; WE DO NOT BREAK PACKAGING OR PICK UP EMPTY DRUMS.

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.

Comments: FREIGHT INCLUDED IN PRICING. WE DO NOT PICK UP EMPTY DRUMS

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 SWC1900000011
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 _____ successive _____ 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 cancelation, 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.

Toni L. Boyd, Corporate Bid manager

(Name, Title)

Rick Howell, Sales Manager

(Printed Name and Title)

2727 Chemsearch Blvd, Irving, Tx 75062

(Address)

800-527-9919 x 0563 fax: 972-438-0634

(Phone Number) / (Fax Number)

CertifiedLabs.BidDepartment@nch.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.

NCH Corporation, dba Certified Laboratories

(Company)



(Authorized Signature) (Representative Name, Title)

Toni L. Boyd, Corporate Bid manager

(Printed Name and Title of Authorized Representative)

April 5th, 2019

(Date)

800-527-9919 x 0563 f: (972) 438-0634

(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 ENGING 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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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:

Toni Boyd

Telephone Number:

972 438 0563

Fax Number:

972 438 0634

Email Address:

CertifiedLabs.BidDepartment@nch.com

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: NCH Corporation, dba Certified Laboratories

Authorized Signature: Toni L Boyce Date: April 4th, 2019

State of Texas

County of Dallas, to-wit:

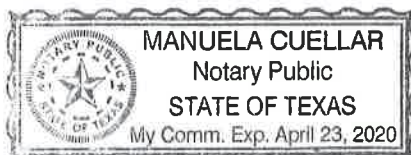
Taken, subscribed, and sworn to before me this 4 day of April, 2019.

My Commission expires 4/23/20, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC

Manuela Cuellar



West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

NCH Corporation, dba

Name of Contracting Business Entity: Certified Laboratories Address: 2727 Chemsearch Blvd
Irving TX 75062

Name of Authorized Agent: Toni L. Boyd Address: _____

Contract Number: _____ Contract Description: _____

Governmental agency awarding contract: _____

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.

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: Toni L Boyd Date Signed: April 4th, 2019

Notary Verification

State of Texas, County of Dallas:

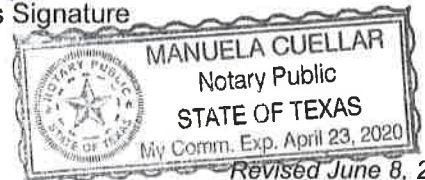
I, Toni Boyd, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 4 day of April, 2019

Manuela Cuellar
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



EXHIBIT_A
PRICING PAGES (Revised 3/29/2019)

CRFQ 0212 SWC190000011
Oil, Lubricants, Grease
(OIL19)

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.		NO BID	1800	\$ -	1 oz.	\$ -
3.1.2 OUTBOARD MOTOR OIL								
2	Motor oil for lubricating 2 cycle engines (outboard motor oil) - API TC-W3 or equal	1 qt.		NO BID	1300	\$ -	1 qt.	\$ -
3.1.3 MOTOR OIL SAE (Gas and/or Diesel)								
3	Motor oil SAE30 - CF-4, CF-2 CF/SJ	1 qt.		NO BID	1000	\$ -	1 qt.	\$ -
4	Motor oil SAE15W40 - CI-4 CF/SJ CI-4, CI-4 PLUS, CH-4, CK-4	1 qt.		NO BID	100,000	\$ -	1 qt.	\$ -
5	Motor oil SAE15W40 - CI-4 CF/SJ CI-4, CI-4 PLUS, CH-4, CK-4	1 gal	CERTIFIED LABORATORIES	SPECTRA XTREME 15W40 C	10,000	\$ 20.75	1 gal.	\$ 207,500.00
6	Motor oil SAE15W40 - CI-4, CI-4 PLUS, CH-4, CF-4/SN, SM, CK-4	55 gal. drum	CERTIFIED LABORATORIES	SPECTRA XTREME 15W40 C	1210	\$ 20.92	1 gal.	\$ 25,313.20
7	Motor oil SAE15W40 - BULK CI-4, CI-4PLUS, CH-4, CF-4/SN, SM, CK-4	BULK 6,000 gallon		NO BID	6000	\$ -	1 gal.	\$ -
8	Motor oil SAE15W40 - FA-4	1 qt.		NO BID	1000	\$ -	1 qt.	\$ -
9	Motor oil SAE15W40 - FA-4	1 gal.		NO BID	1000	\$ -	1 gal.	\$ -
10	Motor oil SAE15W40 - BULK - FA-4	55 gal. drum		NO BID	385	\$ -	1 gal.	\$ -
11	Motor oil SAE10 - CF/SN CAT TO-2, ALLISON C-4 or equal	5 gallon	CERTIFIED LABORATORIES	STRATA 10W (5 GAL)	2400	\$ 24.10	1 gal.	\$ 57,840.00
12	Motor oil SAE10 - CF/SN CAT TO-2, ALLISON C-4 or equal	55 gal. drum	CERTIFIED LABORATORIES	STRATA 10W (55 GAL)	550	\$ 19.97	1 gal.	\$ 10,983.50
13	Motor oil 0W20 - GM Dexos approved or Equal	1 qt		NO BID	1500	\$ -	1 qt.	\$ -
14	Motor oil 0W20 - GM Dexos approved or Equal	5 qt	CERTIFIED LABORATORIES	SPECTRA XTREME D1 0W20	1000	\$ 7.46	1 qt.	\$ 7,460.00
15	Motor oil 5W20 - CF/SN SM, SJ, ILSAC GF-5	1 qt.		NO BID	5000	\$ -	1 qt.	\$ -
16	Motor oil 5W20 - Synthetic Blend CF/SN SM, SJ, ILSAC GF-5	1 qt.		NO BID	5000	\$ -	1 qt.	\$ -
17	Motor oil 5W20 - Synthetic Blend - BULK - CF/SN SM, SJ, ILSAC GF-5	55 gal. drum	CERTIFIED LABORATORIES	SPECTRA XTREME D1 5W20	550	\$ 23.82	1 gal.	\$ 13,101.00
18	Motor oil 5W30 - CF/SN ILSAC GF-5	1 qt.		NO BID	7500	\$ -	1 qt.	\$ -
19	Motor oil 5W30 - Synthetic Blend CF/SN ILSAC GF-5	1 qt.		NO BID	7500	\$ -	1 qt.	\$ -
20	Motor oil 5W30 - Synthetic Blend - BULK - CF/SN SM, SJ, ILSAC GF-5	55 gal. drum	CERTIFIED LABORATORIES	SPECTRA XTREME D1 5W30	550	\$ 23.82	1 gal.	\$ 13,101.00
21	Motor oil 5W30 - GM Dexos approved or Equal	1 qt		NO BID	1000	\$ -	1 qt.	\$ -
22	Motor oil 5W30 - GM Dexos approved or Equal	5 qt	CERTIFIED LABORATORIES	SPECTRA XTREME D1 5W30	1000	\$ 7.75	1 qt.	\$ 7,750.00
23	Motor oil 10W30 - CF/SN SM, SJ, ILSAC GF-5	1 qt.		NO BID	20000	\$ -	1 qt.	\$ -
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.		NO BID	5000	\$ -	1 qt.	\$ -
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.	CERTIFIED LABORATORIES	SPECTRA XTREME 10W30 C	1000	\$ 7.75	1 qt.	\$ 7,750.00
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	CERTIFIED LABORATORIES	SPECTRA XTREME 10W30 C	330	\$ 21.92	1 gal.	\$ 7,233.60
27	Motor oil 10W30 - Diesel Engine Service SB (synthetic blend)	1 qt.		NO BID	350	\$ -	1 qt.	\$ -
28	Motor oil 10W30 - Diesel Engine Service SB (synthetic blend)	5 qt.		NO BID	500	\$ -	1 qt.	\$ -
29	Motor oil 10W30 - FA-4	1 qt.		NO BID	1000	\$ -	1 qt.	\$ -
30	Motor oil 10W30 - FA-4	1 gal.		NO BID	500	\$ -	1 gal.	\$ -
31	Motor oil 10W40 - CF/SN	1 qt.		NO BID	500	\$ -	1 qt.	\$ -
32	Motor oil 20W50 - CF/SN	1 qt.		NO BID	500	\$ -	1 qt.	\$ -
33	Synthetic motor oil SAE 5W40 - CF/SN	1 qt.		NO BID	500	\$ -	1 qt.	\$ -
34	Synthetic motor oil SAE 5W40 - CF/SN	1 gal.	CERTIFIED LABORATORIES	STRATA 5W40 CK-4 6x1 gal	500	\$ 31.50	1 gal.	\$ 15,750.00
35	Synthetic motor oil SAE 10W30 - CF/SN	1 qt.		NO BID	500	\$ -	1 qt.	\$ -
36	Synthetic motor oil SAE 5W40 - CI-4, CH-4/SN	1 qt.		NO BID	100	\$ -	1 qt.	\$ -
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.	CERTIFIED LABORATORIES	CERTOP 80W90	280	\$ 4.05	1 lb.	\$ 1,134.00
38	Extreme pressure gear lubricant 80W90 GL-5, MT-1, MACK GO-J or equal	120 lb.	CERTIFIED LABORATORIES	CERTOP 80W90	3360	\$ 3.78	1 lb.	\$ 12,700.80
39	Extreme pressure gear lubricant 85W140 GL-5, MT-1, MACK GO-J or equal	120 lb.	CERTIFIED LABORATORIES	CERTOP GEAR OIL-85W140	720	\$ 3.78	1 lb.	\$ 2,721.60
3.1.5 GEAR LUBRICANT								
40	Gear Lubricant - mineral gear lube 90 GL-1	35 lb.		NO BID	385	\$ -	1 lb.	\$ -
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.	CERTIFIED LABORATORIES	SYNTHETIC 50 TRANSMISSIO	350	\$ 9.95	1 lb.	\$ 3,482.50
3.1.7 WHEEL BEARING & CHASSIS GREASE								
42	Wheel bearing and chassis grease summer weight NLGI #2	14 to 14-1/2 oz. tubes	CERTIFIED LABORATORIES	LITHIPLX, 48 X 14.3 OZ CAS	2500	\$ 0.36	1 oz.	\$ 906.72
43	Wheel bearing and chassis grease summer weight NLGI #2	35 lb.	CERTIFIED LABORATORIES	LITHIPLX, 35 LB	250	\$ 5.00	1 lb.	\$ 1,250.00
44	Wheel bearing and chassis grease summer weight NLGI #2	120 lb.	CERTIFIED LABORATORIES	LITHIPLX, 120 LB, METAL V	1200	\$ 4.68	1 lb.	\$ 5,616.00
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	CERTIFIED LABORATORIES	PREMALUBE XTREME #2, 48	120	\$ 0.49	1 oz.	\$ 58.80
46	All purpose grease (3% molly) water and heat resistant grease NGLI #2	35 lb.	CERTIFIED LABORATORIES	PREMALUBE XTREME #2, 35	200	\$ 5.95	1 lb.	\$ 1,190.00
47	All purpose grease (3% molly) water and heat resistant grease NGLI #2	120 lb.	CERTIFIED LABORATORIES	PREMALUBE XTREME #2, 12	240	\$ 5.63	1 lb.	\$ 1,351.20

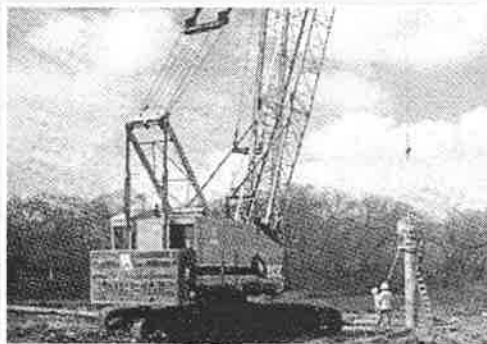
3.1.9 HYDRAULIC OIL (HYDRAULIC HOIST OIL):								
48	Hydraulic oil-light weight RO22 Turbine/Circulating Oil	5 gal.	CERTIFIED LABORATORIES	MULTILOIL 5W20, 2 X 2.5 GL	50	\$ 33.05	1 gal.	\$ 1,652.50
49	Hydraulic oil-light weight (AW32)	5 gal.	CERTIFIED LABORATORIES	HOC XTREME ISO 32	400	\$ 18.75	1 gal.	\$ 7,500.00
50	Hydraulic oil-light weight (AW32)	55 gal. drum	CERTIFIED LABORATORIES	HOC XTREME ISO 32	110	\$ 15.37	1 gal.	\$ 1,690.70
51	Hydraulic oil-medium weight (AW46)	5 gal.	CERTIFIED LABORATORIES	HOC XTREME ISO 46	35	\$ 18.75	1 gal.	\$ 656.25
52	Hydraulic oil-medium weight (AW46)	55 gal. drum	CERTIFIED LABORATORIES	HOC XTREME ISO 46	110	\$ 15.37	1 gal.	\$ 1,690.70
53	Hydraulic oil-heavy weight (AW68)	5 gal.	CERTIFIED LABORATORIES	HOC XTREME ISO 68	200	\$ 18.75	1 gal.	\$ 3,750.00
54	Hydraulic oil-heavy weight (AW68)	55 gal. drum	CERTIFIED LABORATORIES	HOC XTREME ISO 68	880	\$ 15.37	1 gal.	\$ 13,525.60
3.1.10 CATAPILLAR HYDRAULIC OIL								
55	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	5 gal		NO BID	120	\$ -	1 gal.	\$ -
56	Hydraulic Oil - CAT HYDO ADVANCED 10 or equal	55 gal. drum		NO BID	6,600	\$ -	1 gal.	\$ -
3.1.11 TRANSMISSION FLUID								
57	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	1 qt.	CERTIFIED LABORATORIES	UNIVERSAL ATF 5 GAL PAIL	22000	\$ 9.74	1 qt.	\$ 214,280.00
58	Automatic Transmission Fluid - Multi Vehicle - Dexron II, Mercon, or equal	55 gal. drum	CERTIFIED LABORATORIES	UNIVERSAL ATF	495	\$ 33.52	1 gal.	\$ 16,592.40
59	Transmission fluid - CAT T0-4 , Allison C-4, or Equal	5 gal.		NO BID	350	\$ -	1 gal.	\$ -
60	Transmission fluid - CAT T0-4 , Allison C-4, or Equal	55 gal. drum		NO BID	605	\$ -	1 gal.	\$ -
61	Automatic Transmission Fluid Multi-Vehicle ATF API DEXRON III, MERCON, MERCON V, ATF+3 ATF+4 or equal	1 qt.		NO BID	1000	\$ -	1 qt.	\$ -
62	Transmission fluid - Dexron -VI-ATF or equal	1 qt.	CERTIFIED LABORATORIES	UNIVERSAL ATF 5 GAL PAIL	120	\$ 9.74	1 qt.	\$ 1,168.80
63	TES - 295 Alison TES-295 Fluid BP Autran or Equal	1 qt.	CERTIFIED LABORATORIES	TORQUE GLIDE 5 GAL PAIL	30	\$ 11.21	1 qt.	\$ 336.30
64	Automatic Transmission Fluid - MOTORCRAFT MERCON LV or equal	1 qt.	CERTIFIED LABORATORIES	UNIVERSAL ATF 5 GAL PAIL	30	\$ 9.74	1 qt.	\$ 292.20
65	Automatic Transmission Fluid - MOTORCRAFT MERCON SP or equal	1 qt.	CERTIFIED LABORATORIES	UNIVERSAL ATF 5 GAL PAIL	30	\$ 9.74	1 qt.	\$ 292.20
66	Transmission Fluid - VALVOLINE CVT FLUID or equal	1 qt.		NO BID	30	\$ -	1 qt.	\$ -
3.1.12 COMBINATION FLUID								
67	Combination Fluid: Hydraulic/Transmission Oil: HY-GARD Transmission Oil or equal	5 gal.	CERTIFIED LABORATORIES	OIL-ALL XTREME 5 GL	250	\$ 18.75	1 gal.	\$ 4,687.50
68	Combination Fluid: Hydraulic/Transmission Oil: HY-GARD Transmission Oil or equal	55 gal. drum	CERTIFIED LABORATORIES	OIL-ALL XTREME 55 GL	20900	\$ 16.37	1 gal.	\$ 342,133.00
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		NO BID	880	\$ -	1 gal.	\$ -
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.	CERTIFIED LABORATORIES	CERTOP SN 75W90 35 LB	700	\$ 8.50	1 lb.	\$ 5,950.00
71	75W90 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, REV C, EATON E500, MACK GO-J PLUS or equal	120 lb.	CERTIFIED LABORATORIES	CERTOP SN 75W90 120 LB	120	\$ 7.28	1 lb.	\$ 873.60
72	80W140 GL-5 Synthesized multipurpose gear lubricant - DANA SHADES 256, ARVIN MERITOR O-76, MACK GO -J or equal	35 lb.	CERTIFIED LABORATORIES	CERTOP SN 80W140 35 LB	140	\$ 8.50	1 lb.	\$ 1,190.00
3.1.15 FORMULATED GEAR OIL (LS)								
73	Limited slip gear lubricant 80W90 GL-5	35 lb.		NO BID	770	\$ -	1 lb.	\$ -
74	Limited slip gear lubricant 80W90 GL-5	120 lb.		NO BID	1080	\$ -	1 lb.	\$ -
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:	\$ 1,022,455.67

Vendor's Name: NCH CORPORATION, DBA CERTIFIED LABORATORIES
Contract Manager's Name: TONI L BOYD, CORPORATE BID MANAGER
Phone: 800-527-9919 X 0563
Fax: 972-438-0634
Email Address: CertifiedLabs.BidDepartment@nch.com

Strata™

Advanced Performance Single
Grade Motor Oil
SAE 10W, 30, 40, 50

CERTIFIED



The only single weight Diesel or Gasoline engine oil specifically formulated for construction and automotive equipment.

Provides Superior Equipment Protection for

- ❖ Construction
- ❖ Mining
- ❖ Waste Management
- ❖ Federal, State & Local Agencies
- ❖ Agriculture
- ❖ Logging
- ❖ Other Industries that Utilize Heavy Equipment

Provides superior protection against deposit formation, oil breakdown, parts wear, and loss of compression.

For Peak Performance, use with Certified Labs System Purge

- ◆ Helps Prevent Rings from Failing
- ◆ Helps Prevent Piston and Cylinder Wear
- ◆ Compatible with All Mineral Based Engine Oils
- ◆ Prevents Rust and Corrosion
- ◆ Helps Stop Deposit Formation
- ◆ Highly Resistant to Oxidation
- ◆ Controls Acid Formation
- ◆ Withstands Heavier Loads and Shear

Meets or Exceeds the Following Performance Requirements

- API CH-4, SJ
- MIL-L-2104G, CID-A-A-52306, CID-A-A-52039
- Mack EO-J, EO-K, EO-KII
- Caterpillar TO-2, 1M-PC
- CAT 10TBN, 10W & 30 Hydraulic Requirements
- Cummins NTC 400
- Allison C-3, C-4
- Detroit Diesel 6V-53T

STRATA Motor Oils contains a total additive package that sets it apart from all other motor oils

Additives	User Benefits
Premium Grade Base Oils	Highly-refined, oxidation-resistant base stocks provide consistent, long-term lubrication to reduce friction, decrease heat and prevent wear.
Acid Neutralizers	Helps prevent the formation of various acids and sludge and outlasts conventional oils by up to 300% due to its high residual TBN.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Shear Stabilizers	Increase surface viscosity and improve shear stability to carry heavier loads, withstand extreme pressures and prevent shock impact.
Dispersants	Keep sludge, carbon, soot, varnish and gum suspended in the oil and carry them to the filter. Prevent deposits on high-contact surfaces.
Detergents	Keep surfaces clean and free of deposits that cause wear and increase blow-by.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Corrosion Inhibitors	Shield sensitive metals against acids and other corrosive compounds.
Rust Inhibitors	Plate metal surfaces to retard metal deterioration and reduce abrasive rust contaminants.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.

Physical Properties				
	10W	30	40	50
Specific Gravity (AP)	29-31	27-29	26-28	24-26
Viscosity				
SUS @ 100°F	180-215	575-625	750-850	1300-1450
SUS @ 210°F	46-47	68-70	78-82	95-105
cSt @ 20°C	41	-	-	-
cSt @ 40°C	-	106.2	160.2	180
cSt @ 100°C	4.1-5.5	9.3-12.4	12.5-16.3	16.4-21.9
Sulphated Ash, %	1.3	1.3	1.3	1.3
Zinc, %	0.13	0.13	0.13	0.13
Phosphorous %	0.11	0.11	0.11	0.11
TBN	10	10	10	10
Viscosity Index	95	95	95	95
Pour Point °F (°C)	-25 (-31)	-10 (-23)	10 (-12)	15 (-9)
Cold Crank Viscosity				
@ -10°C, cP	-	-	-	-
@ -20°C, cP	3000	-	-	-

IDEAL FOR USE: Compatible with gasoline or diesel engines or combustion engines which have been converted to natural gas.

DO NOT USE: Not compatible with 2-cycle gasoline engines that mix oil with fuel.

SpectraTM Xtreme CK-4

Advanced Performance
Synthetic Blend Motor Oil

SAE 15W-40
SAE 10W-30



Synthetic blend, multi-grade Diesel or Gasoline motor oil formulated for severe duty and extended drain intervals

Specifically Engineered for

- ❖ Construction
- ❖ Trucking & Fleet
- ❖ Waste Hauling
- ❖ Marine
- ❖ Federal, State & Local Agencies
- ❖ Agriculture
- ❖ Logging
- ❖ Material Handling Equipment
- ❖ Other Industries that Utilize Heavy Equipment

Provides superior protection against deposit formation, oil breakdown, parts wear, and loss of compression.

For Peak Performance, use with Certified Labs System Purge

Meets or Exceeds the Following Performance Requirements

- API Service Classification: CK-4, CJ-4, CI-4, CI-4 Plus, CH-4 Plus, CH-4, and SM for gasoline engines
- ACEA E&-04 (2004), E-07 (2007), E-19 (2012)
- Allison C-4 (also acceptable for TES-439 applications)
- MIL-PRF-2104G, CID-A-A-52306A, and CID-A-A-52039B
- Mack EO-G Premium Plus 07, EO-N
- MTU Type 2, Type 2.1
- MAN 3275, MAN M3575
- Caterpillar ECF-1-A, ECF-2, ECF-3
- Cummins CES 20081, CES 20086, CES 20087 (10W-30)
- Renault RVI RLD-3
- Daimler Chrysler MB228.31, MB228.3
- Detroit Diesel PGOS 93K218, 93K215
- Volvo VDS-3, VDS-4
- Ford WSS-M2C171-F1

- Synthetic Blend Formula Engineered for Extended Drain Intervals*
- TBN of 13.3 Provides Extended Acid Neutralization While Maintaining Low Ash
- Excellent Performance with EGR, ACERT, ASET, Turbo Charged Equipment and Tier 4 Final Engines
- Superior Thermal Stability for Higher Temperature Operation
- High Detergent Retention Prevents Deposit Build-up
- Contains MOLYSOL** for Superior Wear Protection
- Highly Resistant to Oxidation for Longer Oil Life
- High V.I. Number Provides Stable Viscosity Over a Wide Temperature Range
- Superior Cold Cranking and Oil Pumpability at Low Temperature
- Compatible with Synthetic, Synthetic Blend, and Mineral Based Motor Oils

*Always use oil analysis to establish new drain intervals

** MOLYSOL is an oil soluble synthetic molybdenum compound

Irving, Texas • Indianapolis, Indiana • Kendall Park, New Jersey • Sunnyvale, California • Brampton, Ontario • Edmonton, Alberta

www.certifiedlabs.com © 2016 NCH Corporation

*Consult the label for directions and precautions before using this product.

SPECTRA XTREME motor oils contains a total additive package that sets it apart from all other motor oils

Additives	User Benefits
Premium Synthetic Blend Base Oil	Highly-refined, oxidation-resistant synthetic blend base oils provides exceptional, long-term lubrication to reduce friction, decrease heat, and prevent wear.
Acid Neutralizers	Helps prevent the formation of various acids and sludge and outlasts conventional oils by up to 300% due to its high residual TBN.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Shear Stabilizers	Increase surface viscosity and improve shear stability to carry heavier loads, withstand extreme pressures and prevent shock impact.
Dispersants	Keep sludge, carbon, soot, varnish and gum suspended in the oil and carry them to the filter. Prevent deposits on high-contact surfaces.
Detergents	Keep surfaces clean and free of deposits that cause wear and increase blow-by.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Corrosion Inhibitors	Shield sensitive metals against acids and other corrosive compounds.
Rust Inhibitors	Plate metal surfaces to retard metal deterioration and reduce abrasive rust contaminants.
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminates the need to switch oil grades in different seasons.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.
Molysol	An oil soluble synthetic molybdenum compound that plates onto the metal to provide exceptional wear protection.

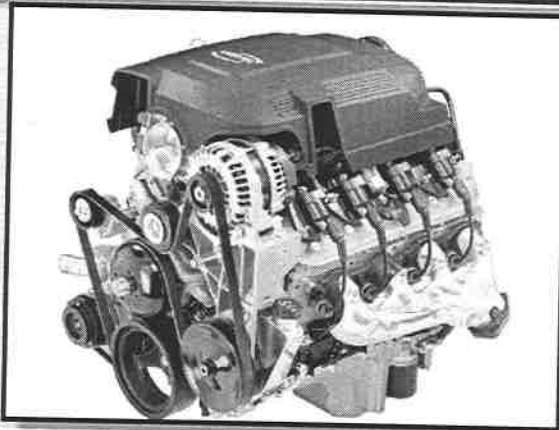
Physical Properties		
	15W-40	10W-30
Specific Gravity (API)	29.7	34
Viscosity, CCS		
cP @ -20°C, Max	6070	6290
cP @ -15°C, Max		
Viscosity SUS		
cSt @ 40°C	122.1	82.9
cSt @ 100°C	16	12.2
Viscosity Index	139.5	143
Flash Point °F (°C)	400 (205)	400 (205)
Pour Point °F (°C)	-27 (-32)	-40 (-40)
ASTM D130 Corrosion	1A	1A
Foam Suppression		
Sequence I	0	0
Sequence II	0	0
Sequence III	0	0
Sulphated Ash, %	1.0	1.0
TBN	13.3	13.3

IDEAL FOR USE: Compatible with gasoline or diesel engines or combustion engines which have been converted to natural gas.

DO NOT USE: Not compatible with 2-cycle gasoline engines that mix oil with fuel.

Spectra™ Xtreme d1

Advanced Performance Full
Synthetic GM dexos1® Motor Oil
SAE 5W-30, 5W-20, 0W-20



Provides superior protection against deposit formation, oil breakdown, parts wear, and loss of compression.

Full Synthetic, dexos1® Gasoline Engine Oil
Formulated for Severe Duty and Extended
Drain Intervals

Specifically Engineered for

- ❖ Construction
- ❖ Trucking & Fleet
- ❖ Waste Hauling
- ❖ Marine
- ❖ Federal, State & Local Agencies
- ❖ Agriculture
- ❖ Logging
- ❖ Material Handling Equipment
- ❖ Other Industries that Utilize Heavy Equipment

For Peak Performance, use
with Certified Labs System Purge

Meets or Exceeds the Following Performance Requirements

- APIT Service Classification: SN Plus, SN, SM, SL, SJ (gasoline)
- GM Dexos1® - Gen 2 – License # D10754IA190
- ILSAC GF-5, GF-4 and GF-3
- API Resource Conserving
- Ford W55 M2C929
- 946-A EcoBoost™ Engines
- GM 6094M
- Chrysler MS-6395S

- ◆ Full Synthetic Formula Engineered for Extended Drain Intervals*
- ◆ Meets ILSAC GF-5 for Improved Fuel Economy
- ◆ Meets or Exceeds OEM Warranty Requirements
- ◆ Superior Thermal Stability for Higher Temperature Operation
- ◆ High Detergent Retention Prevents Deposit Build-up
- ◆ Highly Resistant to Oxidation for Longer Oil Life
- ◆ High V.I. Number Provides Stable Viscosity Over a Wide Temperature Range
- ◆ Superior Cold Cranking and Oil Pumpability at Low Temperature (to -22°F or -30°C)
- ◆ Compatible with Synthetic, Synthetic Blend, and Mineral Based Motor Oils
- ◆ Engineered to be Used With Flex-Fuel Technology and GM EOLS Systems

*Always use oil analysis to establish new drain intervals

SPECTRA XTREME motor oils contains a total additive package that sets it apart from all other motor oils



Additives	User Benefits
Premium Synthetic Base Oil	Highly-refined, oxidation-resistant synthetic base oils provides long-term lubrication to reduce friction, decrease heat, and prevent wear and provide excellent low temperature performance.
Acid Neutralizers	Helps prevent the formation of various acids and sludge and outlasts conventional oils by up to 300% due to its high residual TBN.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Shear Stabilizers	Increase surface viscosity and improve shear stability to carry heavier loads, withstand extreme pressures and prevent shock impact.
Dispersants	Keep sludge, carbon, soot, varnish and gum suspended in the oil and carry them to the filter. Prevent deposits on high-contact surfaces.
Detergents	Keep surfaces clean and free of deposits that cause wear and increase blow-by.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Corrosion Inhibitors	Shield sensitive metals against acids and other corrosive compounds.
Rust Inhibitors	Plate metal surfaces to retard metal deterioration and reduce abrasive rust contaminants.
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminates the need to switch oil grades in different seasons.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.

Physical Properties			
	5W-30	5W-20	0W-20
Specific Gravity (API)	34.7	34.4	35.1
Viscosity, CCS			
cP, Max	5,200 @ -30°C	4,900 @ -30°C	5,700 @ -35°C
Viscosity SUS			
cSte @ 40°C	50	47.8	45
cSte @ 100°C	11	8.8	8.5
Viscosity Index	165	165	169
Flash Point °F (°C)	455 (235)	446 (230)	444 (228)
Pour Point °F (°C)	-49 (-45)	-49 (-45)	-49 (-45)
MRV-TP1			
cF	19,500 @ -35°C	18,000 @ -35°C	21,000 @ -40°C
High Temp / High Shear			
(HTHS) cP @ 150°C	3.3	2.8	2.7

IDEAL FOR USE: Compatible with gasoline or diesel engines or combustion engines which require oils to meet GM dexos1 standards.

DO NOT USE: Not compatible with 2-cycle gasoline engines that mix oil with fuel.

Spectra™ NGEO 15W-40

Advanced Performance
CNG & LNG Motor Oil
SAE 15W-40



Natural Gas Motor Oil specifically designed for service in heavy duty vehicles.

Specifically Engineered for

- ❖ Construction
- ❖ Trucking & Fleet
- ❖ Waste Hauling
- ❖ Marine
- ❖ Federal, State & Local Agencies
- ❖ Agriculture
- ❖ Logging
- ❖ Material Handling Equipment
- ❖ Other Industries that Utilize Heavy Equipment

For Peak Performance, use
with Certified Labs System Purge

Provides superior protection against deposit formation, oil breakdown, parts wear, and loss of compression.

Meets or Exceeds the Following Performance Requirements

- API CF, CF-2, CD, CD-2, CG-4, CE
- Cummins CES 200074, L-10, "B" & "C"
- Detroit Diesel 93K216, 50G, 60G
- Mack GNG
- Volvo CNG
- Renault RGD
- Isuzu CNG
- Hino CNG
- Hyundai CNG
- John Deere CNG/LNG & LPG
- Caterpillar
- Cooper Bessemer Four Cycle
- Dresser Rand Class , II, and III

- Outstanding performance - Engineered for Extended Drain Intervals*
- Excellent Wear Protection
- Reduces Ring Sticking, Spark Plug Fouling, Detonation and/or Pre-ignition
- Compatible with Exhaust Gas Recirculation (EGR) and Other Emissions Systems
- Liner and Tappet Wear Protection Exceeds OEM Requirements
- Inhibits Oxidation and Nitration Leading to Longer Oil Service Life and Reduced Maintenance
- Superior Cold Cranking and Oil Pumpability at Low Temperatures

*Always use oil analysis to establish new drain intervals

SPECTRA NGE0 15W40 Natural Gas Motor Oil contains a total additive package that sets it apart from other motor oils



Additives	User Benefits
Premium Grade Base Oils	Highly-refined, oxidation-resistant base stocks provide consistent, long-term lubrication to reduce friction, decrease heat, and prevent wear.
Acid Neutralizers	Neutralize sulfuric acid to extend oil life, reduce acidic corrosion and prevent acid sludge breakdown of the oil.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Shear Stabilizers	Increase surface viscosity and improve shear stability to carry heavier loads, withstand extreme pressures and prevent shock impact.
Dispersants	Keep sludge, carbon, soot, varnish and gum suspended in the oil and carry them to the filter. Prevent deposits on high-contact surfaces.
Detergents	Keep surfaces clean and free of deposits that cause wear and increase blow-by.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Corrosion Inhibitors	Shield sensitive metals against acids and other corrosive compounds.
Rust Inhibitors	Plate metal surfaces to retard metal deterioration and reduce abrasive rust contaminants.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.

Physical Properties	
	15W40
SAE Grade	15W40
Specific Gravity (API)	29.82
Viscosity	
SUS @ 100°F	398.7
SUS @ 210°F	69.2
cSte @ 40°C	87.41
cSte @ 100°C	12.82
Viscosity Index	137
Flash Point °F (°C)	413.6 (212)
Pour Point °F (°C)	-16.6 (-27)

IDEAL FOR USE:

In natural gas fueled (CNG, LNG & LPG) heavy duty vehicles requiring 15W40 medium ash motor oil.

DO NOT USE:

In 2 and 4 cycle stationary compressed and liquefied natural gas powered engines requiring SAE 40 engine oil. Use SPECTRA NGE0 SAE 40 (Low or Mid Ash)

Spectra™ xtreme

5W40 CK-4

Advanced Performance
Synthetic Blend Motor Oil
SAE 5W-40



Synthetic blend, multi-grade Diesel or Gasoline engine oil formulated for severe duty and extended drain intervals

Provides Superior Equipment Protection for

- ❖ Construction
- ❖ Trucking & Fleet
- ❖ Waste Hauling
- ❖ Marine
- ❖ Federal, State & Local Agencies
- ❖ Agriculture
- ❖ Logging
- ❖ Material Handling Equipment
- ❖ Other Industries that Utilize Heavy Equipment

For Peak Performance, use
with Certified Labs System Purge

Provides superior protection against deposit formation, oil breakdown, parts wear, and loss of compression.

Meets or Exceeds the Following Performance Requirements

- API Service Classification: CK-4, CJ-4, CI-4, CI-4+, CH-4+, CH-4, and SM for gasoline engines
- ACEA E8-04 (2004), E-07 (2007), E-09 (2012)
- MIL-PRF-2104G, CID-A-A-52306A, and CID-A-A-52039B
- Mack EO-O Premium Plus 07, EO-N
- MTU Type 2, Type 2.1
- MAN 3275, MAN M3575
- Caterpillar ECF-1-A, ECF-2, ECF-3
- Cummins CES 20081
- Renault RVI RLD-3
- Daimler Chrysler MB228.31, MB228.3
- Detroit Diesel PGOS 93K218, 93K215
- Volvo VDS-3, VDS-4

- Synthetic Blend Formula Engineered for Extended Drain Intervals*
- High TBN Retention Provides Extended Acid Neutralization While Maintaining Low Ash
- Excellent Performance with EGR, ACERT™, ASET™ and Turbo Charged Equipment
- Superior Thermal Stability for Higher Temperature Operation
- High Detergent Retention Prevents Deposit Build-up
- Highly Resistant to Oxidation for Longer Oil Life
- High V.I. Number Provides Stable Viscosity Over a Wide Temperature Range
- Superior Cold Cranking and Oil Pumpability at Low Temperature
- Compatible with Synthetic, Synthetic Blend, and Mineral Based Motor Oils

*Always use oil analysis to establish new drain intervals

SPECTRA Motor Oil contains a total additive package that sets it apart from all other motor oils

CATERPILLAR

Additives	User Benefits
Premium Synthetic-Blend Base Oil	Highly-refined, oxidation-resistant synthetic blend base oils provide exceptional, long-term lubrication to reduce friction, decrease heat, and prevent wear.
Acid Neutralizers	Helps prevent the formation of various acids and sludge and outlasts conventional oils by up to 300% due to its high residual TBN.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Shear Stabilizers	Increase surface viscosity and improve shear stability to carry heavier loads, withstand extreme pressures and prevent shock impact.
Dispersants	Keep sludge, carbon, soot, varnish and gum suspended in the oil and carry them to the filter. Prevent deposits on high-contact surfaces.
Detergents	Keep surfaces clean and free of deposits that cause wear and increase blow-by.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Corrosion Inhibitors	Shield sensitive metals against acids and other corrosive compounds.
Rust Inhibitors	Plate metal surfaces to retard metal deterioration and reduce abrasive rust contaminants.
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminates the need to switch oil grades in different seasons.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.

Physical Properties	
	5W-40
Specific Gravity	33.2
Viscosity, CCS	
cP @ -30°C, Max	6200
Viscosity SUS	
cSte @ 40°C	94.8
cSte @ 100°C	15.5
Viscosity Index	170
Flash Point °F (°C)	400 (204)
Pour Point °F (°C)	-45 (-42)
MRV-TP1	
cP @ -35°C	39,000
Sulphated Ash, %	0.99
Zinc, wt % (ASTM D4951)	0.13
TBN	10

IDEAL FOR USE: Compatible with gasoline or diesel engines or combustion engines which have been converted to natural gas. Suitable for use in Caterpillar hydraulic systems requiring > 900ppm zinc (CAT DEO Cold Weather).

DO NOT USE: Not compatible with 2-cycle gasoline engines that mix oil with fuel.

Certop™

Advanced Performance
Multi-Grade Gear Oil
80W-90 and 85W-140

CERTIFIED



Heavy-duty gear oil specifically formulated for construction and heavy industrial equipment.

Provides Superior Equipment Protection for

- ❖ Industrial Manufacturing
- ❖ Food processing
- ❖ Steel Mills & Foundries
- ❖ Paper mills, printing, & packaging
- ❖ Federal, State & Local Agencies
- ❖ Construction, Mining, Agriculture
- ❖ Excavation & Demolition
- ❖ Utility Construction
- ❖ Concrete & Asphalt paving

Provides superior protection against leaking seals, dry starts, water contamination, oxidation, and foaming.

For Peak Performance, use
With Certified Labs System Purge

LASTS UP TO 4 TIMES
LONGER

- Eliminates Dry Start Wear
- Prevents Seals from Leaking
- Prevents Rust and Corrosion
- Displaces Water for Easy Drainage
- Controls Foaming
- Lowers Operating Temperatures and Resists Oxidation to Prolong Oil Life
- Wide Temperature Range Up to 320°F (160°C)
80W-90 flows down to -30°F (-34°C)
85W-140 flows down to -5°F (-20°C)

Certop Meets or Exceeds these Performance Requirements

- All API GL-3, GL-4 and GL-5 (most GL-1 and GL-2 applications)
- Military specification MIL-PRF-2105E, MT-1
- Viscosity Ranges 4EP, 5EP and 6EP
- Mack Truck GO-A through GO-H (applies to 80W-90)
- Rockwell Standard 0-76 (applies to 80W-90)
- KW Dart specifications (applies to 80W-90)

CERTOP™ contains a total additive package that sets it apart from other gear oils



Additives	User Benefits
Premium Grade Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Leak Inhibitors	Most seal leaks occur because many oils cause seals to shrink. Special agents provide a controlled swell to bring the seals back to their normal size.
Rust & Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Demulsifiers	Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.
Anti-Foam Agents	Inhibits oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic operation.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Adhesive and Cohesive Polymers, Tackiness Agents	Keep oil on gears during high-speed operations and during idle periods. Helps prevent mechanical wear, stress fractures and dry starts
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminate the need to switch oil grades in different seasons.

Physical Properties		
	80W90	85W140
Weight Per Gallon Lbs.	7.5	7.5
Viscosity, cSt @40°C @100°C	176.78 17.8	410.50 29.1
Viscosity, SUS @ 40°C @100°C	819.0 89.3	1902.0 138.2
Viscosity Index	110	98
Fire Point: °F (°C)	445 (229)	455 (235)
Pour Point °F (°C)	-16 (-27)	10 (-12)
Maximum Continuous Operating Temperatures, °F (°C)	320 (154)	320 (154)
Copper Corrosion, ASTMD-130, 3 Hours @ 250°F	Pass, 1B	Pass, 1B
Thermal Oxidation Stability Test L-60	Pass	Pass
Timken EP Test, ASTM D2782, Failure Load, Lbs.	60	60
Film Strength, Four Ball Method, ASTMD-2783	315	400
Weld, Load, KG	315	400
Load Wear Index	57	69
Wear Scar Diameter, ASTMD-4172, MM	0.28	0.28

IDEAL FOR USE IN:

Differentials, Simple Manual Transmissions, Axles, Power Dividers, Gear Trains, Bronze Gears (up to 200°F) and Gear Boxes including enclosed gears of spur type, hypoid, spiral bevel, worm, herringbone, helical, planetary and unusual combinations of gear types. Can be added as make-up oil to other GL-5 paraffin-base gear oils.

DO NOT USE FOR:

Automatic, universal C-3 fluid, combined transmissions. Truck transmissions that only allow the use of GL-1 gear oil / motor oil (use STRATA Motor Oils), Spicer/Dana or Fuller transmissions or any other equipment for which the manufacturer does not recommend this type of gear lubricant. Never mix with asphaltic-type or "SCL"-type lubricants.



LUBRA-SYSTEMS™ SYN 50 TRANSMISSION LUBE

EATON ROADRANGER APPROVED. EATON & MACK 500,000 MILE EXTENDED DRAIN AND 750,000 MILE FACTORY FILL WARRANTIES.



Provides Superior Equipment Protection for:

- Fleet Vehicles
- Construction
- Utility & Power
- Agriculture
- Concrete & Asphalt
- Long Haul
- Mining
- Federal, State & Local Agencies
- Refineries

Synthetic Base Oil

Lubra Systems Synthetic Transmission Oil highly refined synthetic base oil helps prevent oxidation, viscosity shearing and carbonization.

Reduces Operating Temperatures

Lubra Systems Synthetic Transmission Oil contains **Friction Reducers** and **Anti-Wear Agents** that prevent cold welding on contact points which reduces friction and lowers operating temperatures.

Prevents Rust and Corrosion

Lubra Systems Synthetic Transmission Oil contains **Rust & Corrosion Inhibitors** to prevent corrosion pitting, rust flaking and metal deterioration.

Reduces Gear Wear & Downtime

Lubra Systems Synthetic Transmission Oil contains **E.P. Additives** and **Shock Load Reducers** that help prevent metal-to-metal contact under heavy loads, high torque, variable speeds and high stress conditions.

Controls Foaming

Lubra Systems Synthetic Transmission Oil contains **Anti-Foam Agents** which can withstand agitation and heat without the formation of foam build-up. Reduces pressure build-up and heat which can lead to down-time or equipment replacement.

Reduces Oil Change-Out

Lubra Systems Synthetic Transmission Oil's **Oxidation Inhibitors** oil breakdown under heat or moisture reducing the formation of corrosive acids, resins, and sludge.

Separates from Water

Lubra Systems Synthetic Transmission Oil has **Demulsifiers** that displace water, moisture, and condensate extending oil life and preventing wash-out.

High and Low Temperature Performance

Lubra Systems Synthetic Transmission Oil remains effective from -35°F to 300°F continuous and 350°F intermittent. Flash point of 400°F.

* US Patent 5,126,062



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©2014 NCH Corporation (1M401) Consult the product label for complete directions and precautions before using this product.

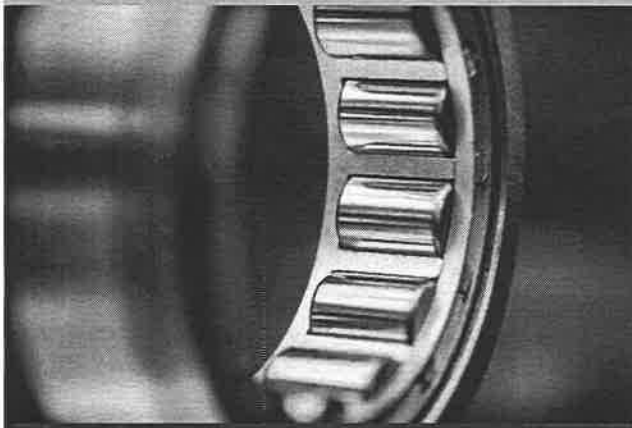




LITHIPLEX™

NLGI #2

MULTI-PURPOSE, EXTREME PRESSURE, HIGH-TEMPERATURE, LITHIUM COMPLEX GREASE



Provides Superior Equipment Protection for:

- Industrial Manufacturing
- Utility & Power Plants
- Food Processing
- Printing Facilities
- Chemical Plants & Refineries
- Construction, Mining & Farming
- Paper Mills & Packaging
- Steel Mills & Foundries
- Federal, State & Local Agencies

Meets OEM Requirements

Lithiplex meets OEM (Original Equipment Manufacturer) recommendations when a lithium or lithium-complex grease is required.

Stays in Place to Prevent Wear Under Heavy Loads

Lithiplex contains Adhesive/ Cohesive Polymers to keep grease in place so it won't run out of fittings.

Excellent High-Speed Protection

Lithiplex provides outstanding lubrication for wheel bearings with speeds up to 10,000 rpm.

Reduces Shock Load in Extreme Pressure

Lithiplex contains Anti-Wear and Shock Load Reducers which plate metal surfaces providing excellent heavy load protection. This minimizes the stress, vibration and wear that can occur due to excessive heavy loads.

Inhibits Rust and Corrosion Breakdown

Lithiplex contains Rust and Corrosion Inhibitors to prevent elements such as acids, water, condensate, and steam from causing chemical wear on equipment surfaces.

Superior Water Resistance

Lithiplex contains Oxidation Inhibitors to extend lubricant life by retarding the oxidation process and Lithium Complex Base resists water emulsification.

Reduces Friction to Prevent Heat & Wear

Lithiplex's Anti-Wear and Friction Reducing Additives coat metal asperities to prevent "hot spots" and wear caused by metal-to-metal contact.

High Temperature Performance

Lithiplex remains effective to 400°F continuous and 450°F intermittent.



Additives

User Benefits

Premium Grade Base Oil	Superior grade, highly refined base oil resists oxidation, hardening and high-temperature breakdown to maintain better lubricity.
Rust and Corrosion Inhibitors	Block out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Extreme Pressure (EP) Agents	Provide added lubricant film strength to increase load-carrying ability of equipment. Helps prevent extreme wear that can occur under heavy loads.
Anti-Wear and Friction Reducing Additives	Prevent metal-to-metal contact, two-surface wear, vibration and chatter. Keeps high friction surfaces, such as bearings, properly lubricated to prevent metal loss, downtime, and replacement expenses.
Oxidation Inhibitors	Extend lubricant service life by retarding the oxidation process. Provides a chemical shield that prevents the oxidizing effects of oxygen and water.
Shock Load Reducers	Cushion impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Color Additive	Purple formulation helps operators see that machines have been lubricated. Grease darkens when it is contaminated or oxidized so operators know when to relubricate.

Physical Properties

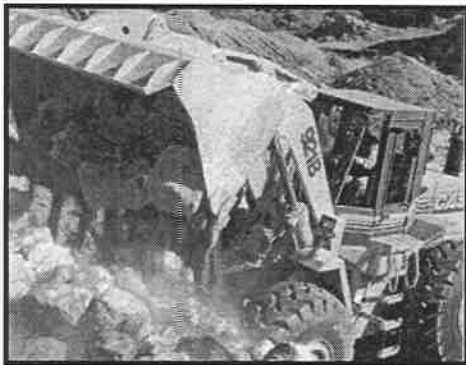
Pounds per Gallon	7.83
Evaporation Rate	<0.1
Soap Type	Lithium Complex
NLGI Grade	No. 2
Dropping Point °F	531
Rust Test Rating	PASS
Oil Separation @ 24 Hours	NIL
4 Ball Wear, MM	0.47
Timken Load	60
Copper Corrosion	1B
Grease Mobility @ 0°F	12.4
USDA Classification	H2

IDEAL FOR USE IN:

Any application specifying the use of a Lithium or Lithium-Complex grease for warranty including wheel bearings, equipment under shock loads, trucks, trailers, and automotive chassis points. Also suitable for use as a non-food contact lubricant in federally inspected meat and poultry plants.

Premalube™ Xtreme

Extreme Duty, Multi-Purpose,
Synthetic Blend Grease
NLGI #2, #1



Provides superior protection for equipment against, heavy loads, dirt, dust, water, and heat.

Extreme duty calcium sulfonate grease specifically formulated for construction and heavy industrial equipment.

Provides Superior Equipment Protection for

- ❖ Industrial Manufacturing
- ❖ Food processing
- ❖ Steel Mills & Foundries
- ❖ Paper mills, printing, & packaging
- ❖ Federal, State & Local Agencies
- ❖ Construction, Mining, Agriculture
- ❖ Excavation & Demolition
- ❖ Utility Construction
- ❖ Concrete & Asphalt paving

- Patent Pending Synthetic Blend Calcium Sulfonate Grease Technology
- Protects and Stays in Place Under Severe Load Conditions
- Contains Moly and Graphite to Reduce Heat, Friction and Abrasive Wear.
- Lasts 2 to 5 Times Longer Than Conventional Greases.
- Superior Water Resistance- won't wash out during operation, even when totally submerged.
- Provides Maximum Resistance to CO₂, H₂S, Salt Water, and Hydrocarbon Fluids.
- Contains Nano-Guard™ Technology to Protect Metal Surfaces From Damaging Contaminants and Corrosion
- Bearing Speeds Up to 20,000 RPM's.
- Wide Operating Temperature Range – NLGI #2 remains effective to 400°F(204°C) continuous and 500°F(260°C) intermittent with monitored lubrication, and down to -10°F(-23°C).
- Also Available in a Green Formula NLGI #2, #1

Meets or Exceeds the Following Performance Requirements

- US Steel Mill Grease Specifications
 - Roll Neck Grease, Req. No. 340
 - Extreme Pressure Grease Req. No. 350
 - Extra Duty EP Grease. Req. No. 352
 - Extreme-Temp. Req. No. 355, 370, & 372
 - Ball and Roller Bearing, Req. No. 371
 - Mill Utility Grease Req. No. 375
- Military Spec. MIL-G-23549C, MIL-DTL-23549D
- Federal Specification W-G-632a, V-V-G-632b
- CASE 251H EP
- Caterpillar MPG
- Chrysler MS 3551E (Part # 2264833)
- General Motors Specification GM 6031-M
- DIN 51 825, DIN 51 818

PREMALUBE XTREME and PREMALUBE XTREME GREEN contain a total additive packages that sets them apart from other greases.

Additives	User Benefits
Premium Synthetic-Blend Base Oil	Highly refined, oxidation-resistant synthetic blend base oils provide exceptional, long-term lubrication to reduce friction, decrease heat and prevent wear.
Calcium Sulfonate Base	Extremely water resistant, heavier than water to resist washouts even in submerged environments. Withstands high heat and provides additional extreme pressure protection under heavy loads.
Adhesive & Cohesive Polymers, Tackiness Agents	Highly-elastic polymers hold grease together and in place to prevent the entry of contaminants, squeeze out, channeling and sling-off.
Rust & Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Anti-Wear and Friction Reducing Additives	Prevent metal-to-metal contact, two surface wear, vibration and chatter. Keeps high friction surfaces, such as bearings, properly lubricated to prevent metal loss, downtime, and replacement expenses.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads
Molybdenum Disulfide (Not in Green Formula)	Layered solid lubricant that places on metal surfaces to provide excellent protection against wear on heavily loaded surfaces and in dusty, dirty environment.
Nano-Guard™ Gel	Advanced nano-technology gel provides superior performance by protecting metal surfaces from corrosives and contaminants.

Physical Properties				
Description	Premalube Xtreme #2	Premalube Xtreme #1	Premalube Xtreme Green #2	Premalube Xtreme Green #1
Penetration ASTM D 217	274	312	288	313
Multistroke Penetration ASTM D 217	278	326	295	325
Wheel bearing leakage ASTM D 1263	0.3	N/A	0.3	N/A
Water washout ASTM D 1264	<0.1%	<0.2%	<0.1%	<0.1%
Pressure Oil separation ASTM D 1742	0.02	0.5	0.02	0.5
Four-ball index ASTM D 2596	101	101	101	101
Four-ball (weld) ASTM D 2596	800+	800+	800+	800+
Four-ball (wear scar) ASTM D 2596	0.341	0.4	0.344	0.41
Timken method ASTM D 2509	75	70	75	70
Rust test ASTM D 1743	Pass	Pass	Pass	Pass
Copper corrosion ASTM D 130	1A/1B	1A/1B	1A/1B	1A/1B
Low Temperature Limit °F (°C)	-10 (-23)	-20 (-29)	-10 (-23)	-20 (-29)
Dropping Point ASTM D 2265 °F (°C)	610 (321)	575 (302)	575 (302)	575 (302)
High Temperature Limit °F (°C)	500 (260)	500 (260)	500 (260)	500 (260)
Base Oil Viscosity @ 40°C	113	113	110.87	110.87
Base Oil Viscosity @ 100°C	12.1	12.1	11.96	11.96

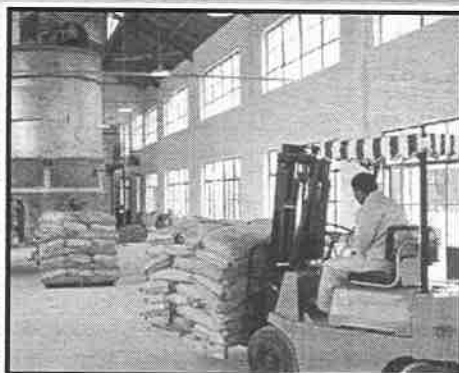
Ideal for use on: Heavy industrial equipment exposed to high/low temperatures, Babbit bearings, high speed wheel bearings, anti-friction bearings, open gears, turbine pumps, paper and pulp mills, steel mills, chemical plants, and waste water plants. Construction equipment, sewage treatment plants, irrigation equipment, non-domestic water pumps, wet mining, scroll saws, kiln cars. High speed wheel bearings, boat trailer bearings, sleeve bearings, chassis, utility trucks, buses. Sea-going vessels, coastal and wharf equipment, inland waterway applications.

Do not use on: any application with a continuous temperature exceeding 400°F (204°C) or 500°F (260°C) intermittently.

Multoil™

Zinc-Free Hydraulic, Turbine,
Bearing Oil
5W-20 (ISO 32), 10W-40 (ISO 100)

CERTIFIED



Heavy duty compressor oil specifically formulated for reciprocating compressors.

Provides Superior Equipment Protection for

- ❖ Industrial Manufacturing
- ❖ Food processing
- ❖ Steel Mills & Foundries
- ❖ Paper mills, printing, & packaging
- ❖ Federal, State & Local Agencies
- ❖ Construction, Mining, Agriculture
- ❖ Excavation & Demolition
- ❖ Utility Construction
- ❖ Concrete & Asphalt paving

For Peak Performance, use
with Certified Labs System Purge

Provides superior protection against friction, wear, oxidation, leaking seals, & equipment downtime.

- **Contains Molysol® (Synthetic-Organic Molybdenum) which Prevents Wear & Friction on Metal Surfaces**
- **Multi-Viscosity Formula Handles a Wide Range of Operating Temperatures**
- **Highly Resistant to Oxidation**
- **High Dielectric Strength: 30,000 Volts**
- **Reduces Inventory by Replacing Single-Weight Oils**
 - 5W-20 = ISO 22, 32, 46
 - 10W-40 = ISO 68, 100, 150
- **Maintains Viscosity Over a Wide Temperature Range**
 - 5W-20 from -30°F (-34°C) to 190°F (87°C)
 - 10W-40 from -25°F (-31°C) to 220°F (104°C)

Meets or Exceeds the Following Performance Requirements

- Dennison-Abex HF-1, HF-2,
- HF-0
- Vickers I-286-S and M-2950-S
- Ford M6C32
- GM LH Specs: 04, 06, 03
- US Steel 127, 136
- Cincinnati Milacron P-68, P-69, P-70

MULTOIL contains a total additive package that sets it apart from other multi-purpose lubricants.

Additives	User Benefits
Premium Grade Base Oil	Superior grade, high-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Rust & Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Anti-Foam Agents	Inhibits oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic operation.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminates the need to switch oil grades in different seasons.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.
Molysol	Clear, synthetic moly that provides non-staining barrier film for excellent heavy load protection. Provides the benefits of moly without the black.

Physical Properties		
	5W-20	10W-40
ISO Grade	32	100
API Gravity 60/60°F	31.4	30.30
WT Per Gallon 60/60°F	7.233	7.282
Viscosity cst 40°C	35	106
Viscosity @ 0°F Using Cold Crank Simulator	1200	2400
Viscosity Index Method B	124	135
Pour Point °F (°C)	-35 (-37)	-30 (-34)
Flash Point °F (°C)	425 (218)	440 (226)
Carbon Residue, WT. %	0.15	0.15
Oxidation Test, ASTM D943	2000+ Hours	3500+ Hours
Oxidation Test, ASTM D2272 Rotary Bomb, Minutes	220+	294+
Demulsibility Characteristics, ASTM D1400, Rust Preventing Characteristics ASTM D665	40-40-0 @ 15 min.	29-40-11 @ 30 min.
Procedure A-Distilled Water	PASSES	PASSES
Procedure B- Synthetic Sea Water	PASSES	PASSES
Dielectric Strength	30,000 Volts	30,000 Volts
Pump Wear, mg (Vickers ASTM D2882)	13.2	10.8

IDEAL FOR USE IN:

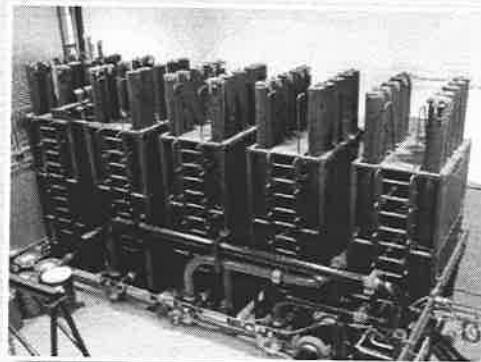
General Lubrication on Air-tools, Babbit Bearings, Turbines, Non-Extreme Pressure Hydraulics, Oil-Lubricated Sleeve and Roller Bearings, Ring-Oiled Bearings, Bath and Hand-oiled Chains, Electric Motor Bearings, Printing Press Equipment, Motors and Gearboxes NOT REQUIRING EP GEAR OIL, Air Conditioning, Refrigeration and Heating Equipment (Fans, Blowers, Unit Heaters, Oil Cups ONLY) Air Lines for Pneumatic Equipment, Hydraulics on Utility Service Trucks (Cherry-pickers / Bucket Trucks), Man-lifts, Scissor-Lifts, Garbage Compactors .

DO NOT USE FOR:

Internal Combustion Engines, Reciprocating Compressors, Extreme Pressure Gear Boxes or Extreme Pressure Hydraulic Systems

Spectra™ Xtreme Arctic 32

Premium All Seasons
Synthetic Blend
Hydraulic Oil
ISO 32



**Advanced Performance Hydraulic Oil
Specifically Formulated for Construction
and Heavy Industrial Equipment.**

Provides Superior Equipment Protection for

- ❖ Industrial Manufacturing
- ❖ Food processing
- ❖ Steel Mills & Foundries
- ❖ Paper mills, printing, & packaging
- ❖ Federal, State & Local Agencies
- ❖ Construction, Mining, Agriculture
- ❖ Excavation & Demolition
- ❖ Utility Construction
- ❖ Concrete & Asphalt paving

For Peak Performance, use
with Certified Labs System Purge

**Provides Superior Protection Against
Leaking Seals, Contaminants, Pump Wear,
and Erratic Operation in Arctic Climates.**

- ✍ **Excellent Low Temperature Performance** – Synthetic Blend formula provides superior operation at sub-zero temperatures
- ✍ **Zinc Free Anti-Wear Formula Prevents Pump and Cylinder Wear**
- ✍ **Highly Resistant to Oxidation**
- ✍ **Controls Water, Contaminants and Foaming**
- ✍ **Helps Prevent Rust and Corrosion**
- ✍ **Helps Prevent Seals from Leaking**
- ✍ **Ideal for use with Vane Pumps, Piston Pumps and Gear Pumps**
- ✍ **Wide Temperature Range (-60°F to 375°F) (-51°C to 177°C)**

Meets or Exceeds the Following Performance Requirements

- AFNOR NF E 48-603
- BF Goodrich 0152
- Cincinnati Machines P-68, P-69, and P-70
- Dennison - Abex HF-0, HF-1 and HF-2
- DIN 51524 part 2 and 3
- General Motors LH-03-1 AFNOR E 48-603
- Jeffrey No. 87
- Lee-Norse 100-1
- Racine, variable volume vane pumps
- Saucer Danfoss; Rexroth-Bosch
- U.S. Steel 126, 127 and 136
- Vickers I-286-S and M-2950-S

SPECTRA™ XTREME ARCTIC 32 contains a total additive package that sets it apart from other hydraulic oils

Additives	User Benefits
Premium Grade Base Oil	Superior Synthetic Blend PAO, Polyolester base oil provided low temp performance, resists oxidation and high-temperature breakdown to maintain better lubricity.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Leak Inhibitors	Most seal leaks occur because many oils cause seals to shrink. Special agents provide a controlled swell to bring the seals back to their normal size.
Rust & Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Demulsifiers	Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.
Anti-Wear Agents	Zinc Free Ashless anti-wear agents form a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Anti-Foam Agents	Inhibit oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic operation.
Sludge Inhibitors	Keeps seals cleaner by preventing the build-up of sludge, varnish and lacquer.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Metal Deactivators	Prevents corrosion on yellow metals such as bronze, copper and brass
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.

Physical Properties	
	ISO 32
API Gravity 60/60°F	36.15
lbs./gal.	7.03
Specific Gravity:	0.844
Evaporation Rate:	<0.01
Fire Coc. °F (°C)	405 (207)
Flash Point °F (°C)	>355 (>179)
Viscosity SAE	10
	ISO
	32
	cSt. @ 40°C
	31.8
	cSt. @ 100°C
	6.21
Viscosity Index	149
Four Ball Wear Test, Scar Diameter, MM (ASTM D2266):	0.41
Pour Point °F (°C)	-72 (-58)

IDEAL FOR USE IN:

Heavy duty straight hydraulics, all Sperry-Vickers vane and piston pumps for standard operation (200 psi, 1200 rpm, 150-175°F (65°C -79°C)) or severe operation (3000 psi, 2400 rpm, 200°F (93°C)).

DO NOT USE FOR:

Brake systems, transmissions, aircraft, Lucas hydraulic pumps or other silver-lined pumps. Not for systems requiring water-based hydraulic oils. Not for universal multi-purpose power transmission systems found in rubber-tired backhoes and tractors.

Oil-All™ Xtreme

Advanced Performance
Synthetic Blend
Universal Hydraulic Fluid
SAE 10W-30



Universal power torque fluid specifically formulated for construction and farm equipment.

Provides Superior Equipment Protection for

- ❖ Construction
- ❖ Mining
- ❖ Waste Management
- ❖ Agriculture
- ❖ Logging
- ❖ Federal, State, and Local Agencies
- ❖ Other Industries that Utilize Heavy Equipment

Provides Superior Protection Against Leaking Seals, Contaminants, Wear, and Erratic Operation.

For Peak Performance, use with Certified Labs System Purge

- ✍ Synthetic Blend Formula Engineered for Extended Drain Intervals*
- ✍ Controls Seal Swell to Help Prevent Seals from Leaking
- ✍ Helps Eliminate Dry Start Wear
- ✍ Displaces Water for Easy Drainage
- ✍ Reduces Brake Chatter
- ✍ Prevents PTO Clutch Slippage
- ✍ Prevents Rust and Corrosion
- ✍ Reduces Pump, Cylinder, Gear and Clutch Wear
- ✍ Reduces Oil Inventory – Can also be Used in Straight Hydraulic Systems Requiring an ISO 46 or 68.
- ✍ Wide Temperature Range (-35°F to 375°F) (-37°C to 190°C)

Meets or Exceeds the Following Performance Requirements:

- AGCO: Power Fluid 821XL, 821
- Case-IH: Hy-Tran® Ultra, Hy-Tran® Plus, Hy-Tran®, MAT-3505, MS-1210, MS-1209, MS-1207, MS-1206, JIC 144/145, Powergard PTF
- Caterpillar: MTO, TO-2
- Deutz/Allis: Power Fluid 821
- Fendt CVT: 1000 hour drain
- Ford New Holland: Mastertran Ultraction (MAT 354C), M2C-134 D/C/B/A, MAT-3525, M2C-41B, M2C-53A/B, M2C-86B
- Hesston/Fiat: Olio fiat Tutela Multi-F
- John Deere: Hy-Gard, J20C/D, JD 303, J14C/B, J21A
- Komatsu Dresser: B-06-002/1
- Komatsu KES 07.866
- Kubota: Kubota UDT Fluid, Transdraulic Fluid
- Landini: Tractor II Hyd Fluid

-Continued on Back-

*Always use oil analysis to establish new drain intervals

OIL-ALL™ XTREME contains a total additive package that sets it apart from other universal hydraulic fluids

Additives	User Benefits
Premium Synthetic- Blend Base Oil	Highly-refined, oxidation-resistant synthetic blend base oils provide exceptional, long-term lubrication to reduce friction, decrease heat, and prevent wear.
Brake Conditioners	Reduces chatter for better stopping performance and sharper turning response. Dissipates heat for less disc distortion.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Demulsifiers	Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.
Anti-Wear Agents	Forms of lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Anti-Foam Agents	Inhibit oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic operation.
PTO Buffers	Prevent PTO clutch slippage to promote faster stall-out if work implement jams on a foreign object.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Metal Deactivators	Prevents corrosion on yellow metals such as bronze, copper and brass.
Pour Point Depressants	Keeps oil flowing properly in cold temperatures. Lowers frictional drag and keeps equipment running in extreme low temperatures.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Friction Modifiers	Keep high-friction surfaces fully lubricated to reduce breakdowns and lower operating temperatures. Provides smooth clutch performance and reduces noise and vibration.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.

Physical Properties	
API Gravity / lbs. gal	29.5 / 7.32
Viscosity @ 40°C, Centistokes	57
Viscosity @ 100°C, Centistokes	9.6
Viscosity Index	152
Pour Point °F (°C)	-49 (-45)
Flash Point °F (°C)	428 (220)
Foam D-892	Pass
DKA Oxidation Test	Pass
Seal Compatibility	Pass
OEM Shear Stability	Pass

Meets or Exceeds the Following Performance Requirements:

- **Massey Ferguson:** M-1145, 1143 Permatran III, MF-1127A/B, MF-1129A
- **Steiger:** Hydraulic/Transmission Fluid 17001
- **Versatile:** HyGear Fluid, Specification 23
- **Volvo:** WB-101
- **White/Oliver/MM:** AF ONE, Universal Fluid, Type 55, Q-1826 HTF
- **Zetor:** OT-H, GL-4
- **Z-F:** TE-ML 03E, 05F, 06K, 17E, 21F
- **Allison C-3**
- **API GL-4**
- **CLAAS Tractors Agri-Universal/Agri-Shift Fluid**

Hydrostatic Transmissions - Increases EP performance and reduces shock loads even under high operating temperatures.

Power Take Off (PTO) - Prevents friction and wear of critical parts when shifting into or out of action.

Wet Brake - Helps oil maintain proper torque on brake discs and dissipates heat.

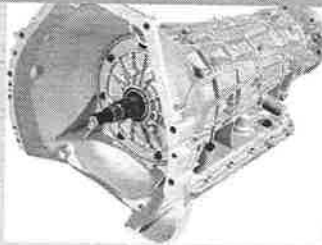
Power Steering Assembly - Prevents sludge build-up in directional valves.

Hydraulics - Anti-wear additives reduce friction to protect pumps and valves.

IDEAL FOR USE IN: Universal hydraulics, straight hydraulic systems, power transmission systems and equipment calling for a torque fluid.

DO NOT USE FOR: Crankcases or engines, or compressors, or automatic transmission fluids that run through the transmission.

UNIVERSAL SYNTHETIC AUTOMATIC TRANSMISSION OIL



Transmission fluid specifically formulated for universal application in heavy-duty automatic transmissions.

Provides superior protection against wear, heat, friction and excessive load.

TOTAL ADDITIVE PACKAGE PROVIDES LONG LIFE CHARACTERISTICS

Provides Superior Equipment Protection for

- Construction
- Mining
- Waste Management
- Agriculture
- Logging
- Federal, State, and Local Agencies
- Other Industries that Utilize Heavy Equipment

- Excellent Friction Stability for Smooth Shifting
- Superior Shear Stability and Wear Protection
- Provides Additional Oxidation Control for Extended Drain Intervals
- Protection Against Varnish, Corrosion, and Sludge Formation
- Superior Thermal Stability
- Provides Active Anti-Wear Agents to Protect Critical Transmission Components
- Outstanding Low-Temperature Performance

MEETS OR EXCEEDS THE FOLLOWING PERFORMANCE REQUIREMENTS:

- ALLISON TES 389, C-4
- ATF 3403 M115
- AUDI/AW G-052-025-A2, G-052-162-A1, G-055-005-A2, G-055-162, G-260-162-A2
- BMW LT71 141, M-1375.4
- FORD MERC V, SP, LV, FNR5
- GM 9986195
- GM DEX II, III, IV AND VI
- HONDA/ACURA ATF-Z, DW-1 (EXCEPT IN CVTS)
- HYUNDAI SP-II, SP-III, SP-IV, SPH-IV, JWS 3309
- ISUZU SCS ATF
- KIA RED 1, SP-II, SP-III
- JWS 3309
- MAN 339 TYPE F
- MAZDA M-V
- MERCEDES BENZ MB236.1, MB236.6, MB236.7, MB236.9, MB236.10, NAG-1
- MISC OEMS - M1375.4
- MITSUBISHI DIAMOND SP-II, SP-III; NISSAN MATIC-D, MATIC-J, MATIC-K, MATIC-S
- MOPAR AS68RC
- SAAB 93 165 147
- SUBARU ATF, ATF-HP
- TOYOTA/LEXUS TYPE T, T-III, T-IV, WS (EXCEPT HYBRIDS)
- VOLVO 1161521, 1161540, STD 1273.41
- VOITH H55.6336.33 (G1363), H55.6335.33 (G607)
- VW TL52162
- ZF TE-ML-14B, 16L, 17C

One Fluid for Virtually EVERY Global Transmission Application



Universal ATF contains a total additive package that sets it apart from other automatic transmission fluids

Universal ATF is specifically to meet and exceed the performance requirements of virtually all global automatic transmission fluid requirements for passenger cars, flexfuel vehicles, hybrids, light-trucks, sport utility vehicles, and most heavyduty transmission standards. It is recommended for use in warranted applications and WILL NOT void applicable vehicle warranties.

Additives	User Benefits
Premium Grade Synthetic Blend Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Leak Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by
Rust and Corrosion Inhibitors	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Pour Point Depressants	Keeps oil flowing properly in cold temperature. Lowers frictional drag and keeps equipment running temperatures down to -20 degrees.
Anti-Foam Agents	Withstand agitation and heat without forming foam conatminants. Reduce pressure levels on seals and vents.

Physical Properties	
Property:	Universal ATF
Viscosity cSt @ 40°C	33
Viscosity cSt @ 100°C	6.4
Viscosity cP @ -40°C	14,300
Pour Point (°F)	-54
Flash Point (°F)	450
API Gravity @ 60°F	35.4
Foam Test	Pass
Appearance	Red

Torque Glide™ Synthetic Automatic Transmission Fluid

Excellent TES-295 and TES-389 Fluid



Synthetic Transmission fluid specifically formulated for heavy-duty automatic transmissions.

Provides Superior Equipment Protection for

- ❖ Construction
- ❖ Mining
- ❖ Waste Management
- ❖ Agriculture
- ❖ Logging
- ❖ Federal, State, and Local Agencies
- ❖ Other Industries that Utilize Heavy Equipment

Provides superior protection against leaking, over-heating, water contamination, oxidation and foaming.

- 🌀 **Resists Oxidation to Extend Oil Life** – Helps prevent the formation of sludge and varnish
- 🌀 **Extreme Temperature Performance** – High viscosity index provides exceptional performance in hot and cold temperatures
- 🌀 **Provides Consistent, Smooth Clutch Engagement Throughout the Life of the Fluid.**
- 🌀 **Durable Synthetic Lubricant Film Provides Better Protection for Vital Components**
- 🌀 **Excellent for Applications Requiring an Allison® TES-295 or TES-389 Fluid**
- 🌀 **Wide Temperature Ranges from -49°F (-45°C) to 300°F (148°C)**

Meets or Exceeds the Following Performance Requirements

- Allison® C-4 TES-295 & TES-389
- Dexron® III
- Voith G 607 & G 1363
- ZF® TE-ML 03D, 04D, 05L, 09, 11B, 14A, 14B, 16L, 17C
- Audi G 052 162, G 052 990, G 055 025
- BMW 7045E, LA 2634, LT 71141
- GM Dexron® III-H
- Honda ATF-ZI

Continued on Back...

Typical Applications Include:

Transit Buses, School Buses, Dump Trucks, Tow Trucks, Cement Trucks, Utility Vehicles, Emergency Vehicles, and Garbage Trucks

TORQUE GLIDE™ contains a total additive package that sets it apart from other automatic transmission fluids



Physical Properties

Viscosity cSt @40°C	36.7
Viscosity cSt @100°C	7.4
Specific Gravity	0.8493
Viscosity Index	174
Density, (lb/gal)	7.072
Flash Point, °C (°F)	206°C 403°F
Pour Point °C (°F)	-43°C -45°F
Four Ball Wear Test [ASTM D 4172] 75°C 1200 rpm, 40kg, 1hr	0.564
Appearance	Red Amber
Foam Tendency [ASTM D 892]	0/0/0
Copper Corrosion 150°C, 3hr [ASTM D 130]	1B
Boron	0.0275%
Calcium	0.0255%
Phosphorus	0.0650%
Sulfur	0.2145%

Meets or Exceeds the Following Performance Requirements

- Chrysler AF + 4®, Mopar® AS68RC
- Ford Mercon®, Mercon V®, ESP- M2C1266-H
- Hyundai SP-II, SP-III
- Idemitsu K17
- JWS 3309, 3314, 3317
- Kia SP-II, SP-III, ATF Red-I
- MAN 339 (F, V1, V2, Z1, Z2)
- Mazda ATF-M III, ATF-MV
- Mercedes Benz 236.1, 236.2, 236.3, 236.5, 236.6, 236.7, 236.9, 236.10, 236.11, 236.81

Continued...

- Mitsubishi SP-II, SP-III
- Nissan Matic-(D, J, K)
- Shell 3403, LA 2634
- Subaru ATF, ATF-HP
- Suzuki 3314, 3317
- Texaco ETL-7045E, ETL-8072B, N402
- Toyota Type T-III & T-IV
- Volvo 97340, 97341
- Volkswagen G 052 162, G 052 990, G 055 025

While Torque-Glide™ is not licensed by transmission manufacturers, it is designed for use according to the extended drain recommendations of the transmission manufacturer for the listed specifications.

Where extended drain intervals are not specified by the OEM, it is recommended that Torque-Glide be evaluated with oil analysis at standard drain intervals to establish the proper drain interval.

Where extended drain intervals are recommended by the OEM, follow that recommendation. This includes the recommendations set by Allison® in document #1099H for TES-295 fluids.

IDEAL FOR USE IN:

Automatic transmissions that require Allison TES-295 & TES-389, Allison C-4, GM Dexron III, ZF TE-ML 14C, Voith G 607 & G 1363.

DO NOT USE FOR:

Eaton Spicer/Dana Fuller transmissions, truck transmissions that only allow the use of GL-1 gear oil or motor oil or any other equipment for which the manufacturer does not recommend this type of gear lubricant.

CertopTM SN

Synthetic Long Life Gear Oil
75W-90 and 80W-140



Extended drain, heavy duty synthetic gear oil specifically formulated for heavy duty trucks, construction and heavy industrial equipment.

Provides Superior Equipment Protection for

- ❖ Industrial Manufacturing
- ❖ Food processing
- ❖ Steel Mills & Foundries
- ❖ Paper mills, printing, & packaging
- ❖ Federal, State & Local Agencies
- ❖ Construction, Mining, Agriculture
- ❖ Excavation & Demolition
- ❖ Utility Construction
- ❖ Concrete & Asphalt paving
- ❖ Golf Courses

Provides superior protection against leaking, water contamination, oxidation and foaming.

- **Resists Oxidation for Longer Oil & Gear Life –**
Resists acid, carbon and varnish formation
- **Superior Shear Stress Stability**
- **Reduces Gear Wear –** Maintains viscosity during extended service life for maximum wear control and fuel efficiency
- **Displaces Water Contamination**
- **Controls Foaming**
- **Excellent Low Temperature Performance –**
75W-90 down to -40°F (-40°C)
80W-140 down to -26°F (-32°C)

Engineered for
500,000 Mile Service
Life in Over-the-
Road Trucks

Meets or Exceeds the Following Requirements:

- API GL-5 & MT-1
- MIL-PRF-2105E
- Dana SHAES 256 (Eaton PS-163)
for 500,000 miles
- MACK GO-J, GO-J+
- Scania STO 1:0
- International Navistar TMS-6816
- Arvin/Meritor 0-76N (75W-90)
- Arvin/Meritor 0-80 (80W-140)

CERTOP™ SN contains a total additive package that sets it apart from other gear oils



Additives	User Benefits
Synthetic grade base oil	100% PAO synthetic oil base that resists breakdown to provide longer oil life. Provides superior lubrication at a wider temperature range.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.

Physical Properties		
TEST	75W-90	80W-140
Viscosity cSt @40°C	120	310
Viscosity cSt @100°C	15.9	31.2
Viscosity Index	135	134
Specific Gravity (g/ml)	0.8590	0.8700
Flash Point, °C (°F) (COC) [ASTM D 92]	205°C 401°F	210°C 410°F
Pour Point °C (°F) [ASTM D 97]	-48°C -54.4°F	-36°C -33°F
Brookfield Visc. [ASTM D 2983]	<150000 - 40°C (-40°F) cP	<150000 - 26°C (-14.8°F) cP
Foam Tendency [ASTM D 892]	0.3	0.3

IDEAL FOR USE IN: Power Dividers, Gear Trains, Bronze Gears (up to 200°F) and Gear Boxes including enclosed gears of spur type, hypoid, spiral bevel, worm, herringbone, helical, planetary and unusual combinations of gear types, Differentials, Limited-Slip Differentials, Simple Manual Transmissions, Axles. Certop SN has been fully tested and field proven, demonstrating outstanding wear protection and oxidation resistance throughout a 500,000-mile service life in over-the-road trucks.

DO NOT USE FOR:

Gear boxes that only allow the use of GL-1 gear oil / motor oil or any other equipment for which the manufacturer does not recommend this type of gear lubricant. Never mix with asphaltic-type or "SCL"-type lubricants.

Certop™

Advanced Performance
Multi-Grade Gear Oil
80W-90 and 85W-140



Heavy-duty gear oil specifically formulated for construction and heavy industrial equipment.

Provides Superior Equipment Protection for

- ❖ Industrial Manufacturing
- ❖ Food processing
- ❖ Steel Mills & Foundries
- ❖ Paper mills, printing, & packaging
- ❖ Federal, State & Local Agencies
- ❖ Construction, Mining, Agriculture
- ❖ Excavation & Demolition
- ❖ Utility Construction
- ❖ Concrete & Asphalt paving

Provides superior protection against leaking seals, dry starts, water contamination, oxidation, and foaming.

For Peak Performance, use
With Certified Labs System Purge

- Eliminates Dry Start Wear
- Prevents Seals from Leaking
- Prevents Rust and Corrosion
- Displaces Water for Easy Drainage
- Controls Foaming
- Lowers Operating Temperatures and Resists Oxidation to Prolong Oil Life
- Wide Temperature Range Up to 320°F (160°C)
80W-90 flows down to -30°F (-34°C)
85W-140 flows down to -5°F (-20°C)

LASTS UP TO 4 TIMES
LONGER

Certop Meets or Exceeds these Performance Requirements

- All API GL-3, GL-4 and GL-5 (most GL-1 and GL-2 applications)
- Military specification MIL-PRF-2105E, MT-1
- Viscosity Ranges 4EP, 5EP and 6EP
- Mack Truck GO-A through GO-H (applies to 80W-90)
- Rockwell Standard 0-76 (applies to 80W-90)
- KW Dart specifications (applies to 80W-90)

CERTOP™ contains a total additive package that sets it apart from other gear oils

Additives	User Benefits
Premium Grade Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Leak Inhibitors	Most seal leaks occur because many oils cause seals to shrink. Special agents provide a controlled swell to bring the seals back to their normal size.
Rust & Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Demulsifiers	Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.
Anti-Foam Agents	Inhibits oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic operation.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Adhesive and Cohesive Polymers, Tackiness Agents	Keep oil on gears during high-speed operations and during idle periods. Helps prevent mechanical wear, stress fractures and dry starts
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminate the need to switch oil grades in different seasons.

Physical Properties		
	80W90	85W140
Weight Per Gallon Lbs.	7.5	7.5
Viscosity, cSt	@40°C 176.78 @100°C 17.8	410.50 29.1
Viscosity, SUS	@ 40°C 819.0 @100°C 89.3	1902.0 138.2
Viscosity Index	110	98
Fire Point: °F (°C)	445 (229)	455 (235)
Pour Point °F (°C)	-16 (-27)	10 (-12)
Maximum Continuous Operating Temperatures, °F (°C)	320 (154)	320 (154)
Copper Corrosion, ASTMD-130, 3 Hours @ 250°F	Pass, 1B	Pass, 1B
Thermal Oxidation Stability Test L-60	Pass	Pass
Timken EP Test, ASTM D2782, Failure Load, Lbs.	60	60
Film Strength, Four Ball Method, ASTMD-2783	315	400
Weld, Load, KG	315	400
Load Wear Index	57	69
Wear Scar Diameter, ASTMD-4172, MM	0.28	0.28

IDEAL FOR USE IN:

Differentials, Simple Manual Transmissions, Axles, Power Dividers, Gear Trains, Bronze Gears (up to 200°F) and Gear Boxes including enclosed gears of spur type, hypoid, spiral bevel, worm, herringbone, helical, planetary and unusual combinations of gear types. Can be added as make-up oil to other GL-5 paraffin-base gear oils.

DO NOT USE FOR:

Automatic, universal C-3 fluid, combined transmissions. Truck transmissions that only allow the use of GL-1 gear oil / motor oil (use STRATA Motor Oils), Spicer/Dana or Fuller transmissions or any other equipment for which the manufacturer does not recommend this type of gear lubricant. Never mix with asphaltic-type or "SCL"-type lubricants.

Torque Glide™

Synthetic Automatic
Transmission Fluid
Excellent TES-295
and TES-389 Fluid



Synthetic Transmission fluid specifically formulated for heavy-duty automatic transmissions.

Provides Superior Equipment Protection for

- ❖ Construction
- ❖ Mining
- ❖ Waste Management
- ❖ Agriculture
- ❖ Logging
- ❖ Federal, State, and Local Agencies
- ❖ Other Industries that Utilize Heavy Equipment

Provides superior protection against leaking, over-heating, water contamination, oxidation and foaming.

-  **Resists Oxidation to Extend Oil Life** – Helps prevent the formation of sludge and varnish
-  **Extreme Temperature Performance** – High viscosity index provides exceptional performance in hot and cold temperatures
-  **Provides Consistent, Smooth Clutch Engagement Throughout the Life of the Fluid.**
-  **Durable Synthetic Lubricant Film Provides Better Protection for Vital Components**
-  **Excellent for Applications Requiring an Allison® TES-295 or TES-389 Fluid**
-  **Wide Temperature Ranges from -49°F (-45°C) to 300°F (148°C)**

Meets or Exceeds the Following Performance Requirements

- Allison® C-4 TES-295 & TES-389
- Dexron® III
- Voith G 607 & G 1363
- ZF® TE-ML 03D, 04D, 05L, 09, 11B, 14A, 14B, 16L, 17C
- Audi G 052 162, G 052 990, G 055 025
- BMW 7045E, LA 2634, LT 71141
- GM Dexron® III-H
- Honda ATF-Z1

Continued on Back...

Typical Applications Include:

Transit Buses, School Buses, Dump Trucks, Tow Trucks, Cement Trucks, Utility Vehicles, Emergency Vehicles, and Garbage Trucks

TORQUE GLIDE™ contains a total additive package that sets it apart from other automatic transmission fluids



Physical Properties

Viscosity cSt @40°C	36.7
Viscosity cSt @100°C	7.4
Specific Gravity	0.8493
Viscosity Index	174
Density, (lb/gal)	7.072
Flash Point, °C (°F)	206°C 403°F
Pour Point °C (°F)	-43°C -45°F
Four Ball Wear Test [ASTM D 4172] 75°C 1200 rpm, 40kg, 1hr	0.564
Appearance	Red Amber
Foam Tendency [ASTM D 892]	0/0/0
Copper Corrosion 150°C, 3hr [ASTM D 130]	1B
Boron	0.0275%
Calcium	0.0255%
Phosphorus	0.0650%
Sulfur	0.2145%

Meets or Exceeds the Following Performance Requirements

- Chrysler AF + 4®, Mopar® AS68RC
- Ford Mercon®, Mercon V®, ESP- M2C1266-H
- Hyundai SP-II, SP-III
- Idemitsu K17
- JWS 3309, 3314, 3317
- Kia SP-II, SP-III, ATF Red-1
- MAN 339 (F, V1, V2, Z1, Z2)
- Mazda ATF-M III, ATF-MV
- Mercedes Benz 236.1, 236.2, 236.3, 236.5, 236.6, 236.7, 236.9, 236.10, 236.11, 236.81

Continued...

- Mitsubishi SP-II, SP-III
- Nissan Matic-(D, J, K)
- Shell 3403, LA 2634
- Subaru ATF, ATF-HP
- Suzuki 3314, 3317
- Texaco ETL-7045E, ETL-8072B, N402
- Toyota Type T-III & T-IV
- Volvo 97340, 97341
- Volkswagen G 052 162, G 052 990, G 055 025

While Torque-Glide™ is not licensed by transmission manufacturers, it is designed for use according to the extended drain recommendations of the transmission manufacturer for the listed specifications.

Where extended drain intervals are not specified by the OEM, it is recommended that Torque-Glide be evaluated with oil analysis at standard drain intervals to establish the proper drain interval.

Where extended drain intervals are recommended by the OEM, follow that recommendation. This includes the recommendations set by Allison® in document #1099H for TES-295 fluids.

IDEAL FOR USE IN:

Automatic transmissions that require Allison TES-295 & TES-389, Allison C-4, GM Dexron III, ZF TE-ML 14C, Voith G 607 & G 1363.

DO NOT USE FOR:

Eaton Spicer/Dana Fuller transmissions, truck transmissions that only allow the use of GL-1 gear oil or motor oil or any other equipment for which the manufacturer does not recommend this type of gear lubricant.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/1/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MHBT, a Marsh & McLennan Agency, LLC company 8144 Walnut Hill Lane 16th Floor Dallas TX 75231-TX	CONTACT NAME: Elizabeth Gilbert PHONE (A/C. No. Ext): 972-770-1600 E-MAIL ADDRESS: Elizabeth_Gilbert@mhbt.com		FAX (A/C. No): 972-770-1699
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED NCHCOR1 Certified Laboratories, div of NCH Corp 2727 Chemsearch Blvd. Irving, TX 75062	INSURER A: ACE American Insurance Company		22667
	INSURER B: Aspen Specialty Insurance Company		10717
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES

CERTIFICATE NUMBER: 1797242384

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR Blkt Contractual GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			ERAAYV718	4/30/2018	4/30/2019	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
							MED EXP (Any one person)	\$ 25,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			ISAH2515759A	4/30/2018	4/30/2019	COMBINED SINGLE LIMIT (Ea accident)	\$ 5,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WLRC64789880	4/30/2018	4/30/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER All States	
							E.L. EACH ACCIDENT	\$ 2,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 2,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

For Information Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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