

State of West Virginia
Department of Administration
Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

T

OIL10

ΆÇ	E	
	1	

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

VENDOR

***426142524** 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

DATE PRIN	TED	TER	MS OF SAL	E	SHIP	VIA	F	OB		FREIGHTTERMS
08/19/	2010		*						nananan bas	
BID OPENING DATE:		09/21/	2010		. 1	BID	OPENING	TIME	01	:30PM
LINE	QUA	NTITY	UOP	CAT. NO.	ITEMNU			IT PRICE		AMOUNT
			REQU	EST F	OR QUOTAT	ION				
	LUBRIC AGENCI BIDS S	CANTS A ES AND	ND GR POLI EET T	EASES Tical	N IS SOLI FOR ALL SUBDIVIS TACHED GE	WEST VI	RGINIA	STATE	•	
	TO ENT	ER THE	IR QU	ITATO	ATTACHED ON FOR EA OF OIL10	CH ITEM			!	
*2.a	BIDDER PAPER WITH T ELECTR	S ARE BID TH HEIR B	REQUE AT AN ID. V	STED ELEC ENDOR	/ADMIN/PU THAT IN A TRONIC VE S SHALL N	DDITION RSION B OT E-MA	TO THE E SUBMIT	REQUIR TTED	:	
	וטא טט	MAICH	, IHE	PAPE	K RID 2HY	LL PREV	AIL.		PY	RECEIVED
	PREPAI PLEASE OIL10 WHICH TELEPH	D AND COMPL PRICIN SHIPME	INCLUETE A FOR PAG TO MER,	DED I LL IN ES: L AY BE IF A	O.B. DEST N THE VEN FORMATION OCATION O MADE; CO VAILABLE	DOR PRI REQUES F WAREH NTRACT	CE SHOWI TED ON OUSES FI COORDINA	N. THE ROM ATOR NA	ئِن ؟ ار ME،	SEP 21 P 12: 51 / CMASING DIVISION STATE OF WV
	DELIVE SHOULD NAME,	RY AFT ADD T SIGNAT	ER REG HEIR G JRE,	CEIPT COMPA TITLE	HE NUMBER OF ORDER NY NAME T AND DATE SHOULD BE	(ARO). O EACH ON THE	BIDDE PAGE; TI LAST SI	RS HE		
	r			SEEREV	ERSE SIDE FOR T					
SIGNATURIE	*	HILL	9			TELEPHONE -	127-24	3n	DATE C	1/20/10
TITLE DUS	11/1	FEI	ر م سے سم	101	7.751	VUT		70		TO BE NOTED ABOVE

GENERAL TERMS & CONDITIONS PURCHASE ORDER/CONTRACT

- 1. ACCEPTANCE: Seller shall be bound by this order and its terms and conditions upon receipt of this order.
- 2. APPLICABLE LAW: The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 3. NON-FUNDING: All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the terms of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 4. COMPLIANCE: Seller shall comply with all federal, state and local laws, regulations and ordinances including, but not limited to, the prevailing wage rates of the WV Division of Labor.
- 5. MODIFICATIONS: This writing is the parties' final expression of intent. No modification of this order shall be binding unless agreed to in writing by the Buyer.
- 6. ASSIGNMENT: Neither this Order nor any monies due, or to become due hereunder may be assigned by the Seller without the Buyer's consent.
- 7. WARRANTY: The Seller expressly warrants that the goods and/or services covered by this order will: {a} conform to the specifications, drawings, samples or other description furnished or specified by the Buyer; {b} be merchantable and fit for the purpose intended; and/or {c} be free from defect in material and workmanship.
- 8. CANCELLATION: The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 9. SHIPPING, BILLING & PRICES: Prices are those stated in this order. No price increase will be accepted without written authority from the Buyer. All goods or services shall be shipped on or before the date specified in this Order.
- 10. LATE PAYMENTS: Payments may only be made after the delivery of goods or services. Interest may be paid on late payments in accordance with the West Virginia Code.
- 11. TAXES: The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 12. RENEWAL: Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. CONFIDENTIALITY: The vendor agrees that he or she 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/noticeConfidentiality.pdf.
- 16. LICENSING: Vendors 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. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
- 17. ANTITRUST: In accepting this purchase order or signing this contract with any agency for 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. Vendor certifies that this purchase order or 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. Vendor further certifies that this purchase order or contract is in all respects fair and without collusion or fraud.



State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

OIL10

PAGE 2

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

VENDOR

*426142524 304-927-2470
HARRIS DIL COMPANY INC
PO BOX 685
330 DAK DRIVE
SPENCER WV 25276

0.000	
10000	
0.000	
100000	
S	
1 4	
10000	
10.101	
P	
2.23	
1 T	
0.0	
1000	

DATE PRIN	TED	TER	MS OF SAL	F	SHIP VIA	PØB.	FREIGHTTERMS
08/19/							
BID OPENING DATE:	• •	09/21/	2010		BID	OPENING TIME (01:30PM
LINE	QUA	NTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
·	·						
	ANY CH IN THE				UND TAX MUST BE	INCLUDED	
	PRICES	ARE P	ER TH	E ATT	ACHED "PRICING P	AGE -OIL10"	
	F.O.B. OBTAIN METHOD \$100.0	DESTIED BY S. IF O ANY RATE C	NATIO THE A THE TRANS HARGE	N. O GENCY AGENC PORTA WITH	\$100.00 OR MORE RDERS LESS THAN USING ALTERNATI Y CHOOSES TO ORD TION COSTS WILL THE ORIGINAL FR	\$100.00 MAY BE VE PROCUREMENT ER LESS THAN BE INVOICED AS	
	AND BU A TRAI 45,000 NECESS	LK DEL LER LO POUND ARILY AND A	IVERY AD NO S. T HAVE LL PR	TO A RMALL RAILE TO BE ODUCT	ASE LOTS, TRAILE NY LOCATION WITH Y WILL BE BETWEE R LOAD SHIPMENTS ONE PRODUCT. A S MAY BE ORDERED	IN WEST VIRGINIAN 40,000 AND DO NOT COMBINATION	L.
	AWARD FOR AL	WILL B L ITEM	E MAD S SHO	E TO WN,(M	CONTRACT WILL NO THE VENDOR WITH EETING MANDATORY RUCKLOAD AND BUL	THE LOW BID SPECIFICATIONS)	
3							
0001		.	LS	,	405-39		
	LUBRÌC	ANTS,	OIL A				-
SIGNATURE (7)		/		SEE REV	/ERSE SIDE FOR TERMS AND COM		
MAN	KL A	arri	(4)		TELEPHONE	DATE	1/20/10
TITLE PSES!	Jer	FE	IN			ADDRESS CHANGE	ES TO BE NOTED ABOVE



VENDOR

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

OIL10

PAGE 3

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

SH-P -P ⊤O

DATE PRINT	ED	TER	MS OF SAL	E	SHIP	/IA	F.O.B.	FREIGHT TERMS
08/19/	2010							
BID OPENING DATE:		09/21/	2010			BID	OPENING TIME 01	:30PM
LINE	OLIAN	VTITY	POU	CAT	ITEM NUI		UNIT PRICE	AMOUNT
71117				NO.				200000
					•			
							•	
	INQUIR	IES						
	WRITTE	N QUES	TIONS	SHAL	L BE ACCE	PTED TH	ROUGH CLOSE OF	
					EPTEMBER			
							OURIER OR E-MAIL	
							AN UNFAIR	1
							LL BE ANSWERED	
	ORALLY						ARE PREFERRED.	
	ADDRES		1 1					
	, 4° ° 1							
	JO ANN	ADKIN	s					
	DEPART	MENT O	F ADM	INIST	RATION			
	PURCHA	SING D	IVISI	ON	•			
	2019 W	ASHING	TON S	TREET	, EAST			
	CHARLE							
,	FAX:	3	04.55	8.411	5			
	E-MAIL		l .		awv.gov			
•								
	EXHIBI	T 3						
	,							
	LIFE O	F CONT	RACT:	TH	IS CONTRA	CT BECO	MES EFFECTIVE ON	
				AND	EXTENDS F	OR A PE	RIOD OF ONE (1)	
	YEAR O	R UNTI	L SUC	H "RE	ASONABLE	TIME" T	HEREAFTER AS IS	·
	NECESS	ARY TO	OBTA	IN A	NEW CONTR	ACT OR	RENEW THE	
	ORIGIN	AL CON	TRACT	. TH	E "REASON	ABLE TI	ME" PERIOD SHALL	
	NOT EX	CEED T	WELVE	(12)	MONTHS.	DURING	THIS "REASONABLE	
	TIME"	THE VE	NDOR	MAY T	ERMINATE	THIS CO	NTRACT FOR ANY	
	REASON	UPON	GIVIN	G THE	DIRECTOR	OF PUR	CHASING 30 DAYS	
	WRITTE	N NOTI	CE.					
	UNLESS	SPECI	FIC P	ROVIS	IONS ARE	STIPULA	TED ELSEWHERE	
	IN THI	S CONT	RACT	DOCUM	ENT, THE	TERMS,	CONDITIONS AND	
							FE OF THE	
	CONTRA	ст.			7			
SIGNATURE)		<u> </u>		SEE RE	ERSE SIDE FOR T	ERMS AND CON		<u> </u>
Var	w a	HIN	2)			ELEPHONE	DATE	120/10
TITLE		FE	IN				ADDRESS CHANGES	TO BE NOTED ABOVE
14111	EN DEOD	ONIDINIO:	TO DEO	IN IOEE	T 11414 T 4115		ADDITES CHANGES	



State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

H

OIL10

PAC	E	
	4	

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

VENDOR

*****426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

DATE PRIN	TED	TER	MS OF SAL	E	SHIP VIA		F.O.B	FREIGHT TERMS	
08/19/									
BID OPENING DATE:	*****************************	09/21/	2010		В	ID	OPENING TIME O	1:30PM	
LINE	QUAI	VTITY	UOP	CAT. NO	ITEM NUMBER		UNIT PRICE	AMOUNT	
						rain suita			
						ļ			
	DENEMA		C CON	TDAGE	MAN DE DENEU		UDOU THE MUTUAL	·	
					SPENDING UNI		UPON THE MUTUAL		
					TOR OF PURCHA				
					RATION DATE.		CH RENEWAL SHALL	·	
							NDITIONS OF THE		
							TO TWO (2) ONE		
		AR PER							
·									
							NG RESERVES THE		
							ELY UPON WRITTEN		
							S AND/OR SERVICE	•	
٠							DO NOT CONFORM		
:	ID THE	SPECI	FICAI	IUNS	OF THE BID AN	DС	ONTRACT HEREIN.		
	ODEN M	ADVET	CLAUC	- TU	E DIRECTOR OF		DOLLACTNO MAN		
					E DIRECTOR OF NIT TO PURCHA				
					LING OF A REQ				
	FCTTMA	, W. I I	EMC C	DECIE	IED ON THIS C	ONT	DACT END		
*					EMERGENCIES D				
							ELAYS IN TRANS-		
							IN THE VOLUME		
	OF WOR				OI, AVED INGKE		IN THE VOLUME		
			j		•				
	QUANTI	TIES:	QUANT	ITIES	LISTED IN TH	E R	EQUISITION ARE		
					ASED ON ESTIMA				
							TOOD AND AGREED		
							TITIES ACTUALLY		
	ORDERE	D FOR	DELIV	ERY D	URING THE TER	м о	F THE CONTRACT,		
	WHETHE	R MORE	OR L	ESS T	HAN THE QUANT	ITI	ES SHOWN.		
i							•		
					ENDING UNIT(S				
	B .				ORDER (FORM				
							THIS CONTRACT.		
							E MAILED TO THE		
	VENDUK	AS AU	I HUK T	ZAIIU	N FOR SHIPMEN	•	A SECUND COPY		
	I 	,		SEE RE	VERSE SIDE FOR TERMS AN	ID COV	IDITIONS		
SIGNATURE	1,00	Lass.	9		TELEPHON	NE	DATE	7/20/10	
TITLE /	<u> </u>	74/VU	IN IN	.,,,,			. ,	100/10	
					·		.]	S TO BE NOTED ABOVE	
WH	EN RESPO	ONDING T	IO RFQ.	, INSER	T NAME AND ADDRE	ESS I	N SPACE ABOVE LABEL	.ED 'VENDOR'	



VENDOR

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

BEGNUMBER OIL 10

PAGE 5

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

SH-P F0

BID OPENING TIME 01:30PM INNE CAUATITY DOP CAT. THE NUMBER UNIT PRICE ANXIONT MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: 21.10 ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGEMENT OF THE STATE OF THE FOLLOWING CHECKED SECRETICAL SAME AND CONDITIONS SECRETICAL SAME AND CONDITIONS PLEFFORM ADDRESS CHANGES TO BE NOTED ABOVE	DATE PRIN	TEM	TEE	MS OF SAL	e (1000000000000000000000000000000000000	83833883	SHIP	V ΙΔ	100 000 000 100 000 000	e i	O.B.	SSSSS PS	FREIGHTTERMS
UNE OUNTITY UP CAT TEMNUMBER UNITPRICE AMAINT MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PINCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD.	000000000000000000000000000000000000000	0000000000000000000				5612615661	O In				9. L		THEIGHT TERMS
MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATI- CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: Q.I.I.O ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SOUNTING THE PURCHASING CARD TERMS AND CONDITIONS PLEPPICHE SOUNTING THE PURCHASING CARD THE FOR A CONDITIONS PLEPPICHE SOUNTING THE PURCHASING CONTORNS PREPRIOR THE PURCHASING CHECKED PATALOGOUS CONTORNS PREPRIOR THE PURCHASING CONTORNS PROPRIOR THE PURCHASI	BID OPENING DATE:		09/21/	2010				BID	0P	ENING	TIME	01	:30PM
RETAINED BY THE SPENDING UNIT. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROFERM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: CINC. ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTIONS PORTECTIONS PORTECTIONS THE STATE OF WEST VIRGINIA VISA PURCHASING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTIONS PORTECTIONS PORTECTIONS THE STATE OF WEST VIRGINIA VISA PURCHASING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTIONS PORTECTIONS PORTECTIONS THE STATE OF WEST VIRGINIA PORTECTIONS THE STATE OF WEST VIRGINIA PORTECTION OF AWARD PORTECTION OF THE FOLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTION OF THE FOLLOWING CHECKED	LINE	QUAI	VTITY	UOP			ITEM NU	JMBER		UNI	TPRICE		AMOUNT
RETAINED BY THE SPENDING UNIT. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROFERM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: CINC. ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTIONS PORTECTIONS PORTECTIONS THE STATE OF WEST VIRGINIA VISA PURCHASING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTIONS PORTECTIONS PORTECTIONS THE STATE OF WEST VIRGINIA VISA PURCHASING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTIONS PORTECTIONS PORTECTIONS THE STATE OF WEST VIRGINIA PORTECTIONS THE STATE OF WEST VIRGINIA PORTECTION OF AWARD PORTECTION OF THE FOLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS PORTECTION OF THE FOLLOWING CHECKED						<u>Decedeção</u>	300000000000000		<u>SS</u> bilania			gregoria de la como de	
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATI- CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. REQUISITION NO.: PINCHASING CHECKED SECRET PROFESSIONE FOR TERMS AND CONDITIONS PART ACCOUNTS SECRET PROFESSIONE FOR TERMS AND CONDITIONS PROGRAMMENT AND CONDITIONS PART ACCOUNTS PROFESSIONE FOR TERMS AND CONDITIONS PART ACCOUNTS SECRET PROFESSIONE FOR TERMS AND CONDITIONS PART ACCOUNTS PART ACCOUNTS PART ACCOUNTS PROFESSIONE FOR TERMS AND CONDITIONS PART ACCOUNTS PART ACCOUNTS	·	MAILED	то тн	E PUR	CHASI	NG I	DIVIS	ION, AN	D A	THIRD	COPY		
FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, DRDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PID ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS PARTY OF THE PROCESS OF TH													
FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, DRDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PID ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS PARTY OF THE PROCESS OF TH		DANKDII	птсу.	T N. T.	UC	CNT		VENDOD (TDAOTO		- 0	
CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PINCH AND STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD.													
ORDER. THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES ACREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O. IO. ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE PROVINCE OF THE POLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE PROVINCE OF THE POLLOWING CHECKED													
SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PINCH OR PAYMENT OF ALL ORDERS PLACED BY ANY STATE ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS THE PROMATURE DATE OF THE POLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS THE PROMATURE DATE OF THE POLLOWING CHECKED													
SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PINCH OR PAYMENT OF ALL ORDERS PLACED BY ANY STATE ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS THE PROMATURE DATE OF THE POLLOWING CHECKED SEEREVERSE SIDE FOR TERMS AND CONDITIONS THE PROMATURE DATE OF THE POLLOWING CHECKED			DMO 41										
CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PIDO ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SECRET PROFISE SIDE FOR TERMAS AND CONDITIONS TELEPHONE TELEPHONE DATE 1/20/10													
DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PINCHASING EXHIBIT 10 REQUISITION NO.: PINCHASING EXHIBIT 10 REQUISITION NO.: PINCHASING EXHIBIT 10 SEERLY ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEERLY ERSE SIDE FOR TERMS AND CONDITIONS TELEPHONE PATER PATER TELEPHONE PATER													
PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O													
PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: 0: 10 ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SECRETARISE SIDE FOR TERMS AND CONDITIONS THE DATE OF THE POLLOWING CHECKED SIGNATURE DATE OF THE POLLOWING CHECKED SIGNATURE DATE OF THE POLLOWING CHECKED									IN	CLUDIN	IG ANY		
CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O		ELECTR	ONIC M	EDIUM	SUCH	AS	CD-R	OM.	-				
CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O									1.00				
CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O													
CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O													
CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O		DUDCUA	CTNC C	A 17 7 A	CCEDI	A NIOT	- -	UC CTAT		E 11507			
IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: O.I.I.D ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE D													
MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: PILLOWING CHECKED ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS TILE THE TAME THE PARTY OF WEST VIRGINIA VISA PURCHASING BY ANY STATE PARTY OF WEST VIRGINIA VISA PURCHASING BY ANY STATE PARTY OF WEST VIRGINIA VISA PURCHASING BY ANY STATE THE PARTY OF WEST VIRGINIA VISA PURCHASING TELEPHONE PARTY OF WEST VIRGINIA VISA PURCHASING THE PARTY OF WEST VIRGINIA VIRGINIA VISA PURCHASING THE PARTY OF WEST VIRGINIA												IICII	
AGENCY AS A CONDITION OF AWARD. EXHIBIT 10 REQUISITION NO.: ON TO THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS TILLE TILLE THE BAY ACK NOWLEDGE THE FOLLOWING CHECKED DATE 120/10		MUST A	CCEPT	THE S	TATE	OF V	VEST '	VIRGINI	A V	ISA PU	IRCHAS:	ING	
EXHIBIT 10 REQUISITION NO.: OND TO SEE REVERSE SIDE FOR TERMS AND CONDITIONS TILE REQUISITION NO.: OND TO SEE REVERSE SIDE FOR TERMS AND CONDITIONS TILE THE TAME HERE PAGE 120/10	1	1							ВУ	ANY S	TATE		
REQUISITION NO.: ON TOUR ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE 120/10		AGENCY	AS A	CONDI	ITON	Ur A	WARD	•					
REQUISITION NO.: ON TOUR ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE 120/10	•				•								
REQUISITION NO.: ON TOUR ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE 120/10													
REQUISITION NO.: ON TOUR ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE 120/10													
ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE 120/10		FXHIRT	1 10										·
ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS THE DATE 120/10							REQUI	ISTTION	NO	01	110		
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED SEE REVERSE SIDE FOR TERMS AND CONDITIONS TITLE THE DATE DATE 1/20/10					İ								
SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TITLE TITLE SEE REVERSE SIDE FOR TERMS AND CONDITIONS TELEPHONE DATE 9/20/10		ADDEND	UM ACK	NOWLE	DGEME	NT							
SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TITLE TITLE SEE REVERSE SIDE FOR TERMS AND CONDITIONS TELEPHONE DATE 9/20/10		T UEDE	BA VCR	NOME	nce p	ECE 1	וח דם			OLITHO	CHECKI	- n	
SIGNATURE PLANTS TITLE TITLE TELEPHONE TELEPHONE DATE /20/10		THEKE	DI ACK	HOMEET							CHECKE	עב	
TITLE MANYE HANDS	SIGNATURE A	<i>∕</i> ₃	/ -		SEE RE	/ERSE	SIDE FOR		ONDIT	IONS		DATE	
ADDRESS CHANGES TO BE NOTED ABOVE	KAN	e St	ass.	<u> </u>				I ELEF HOIVE		,		9/	20/10
	/		FE	:IN						ADD	RESS CHA	NGES	TO BE NOTED ABOVE
		- •	FE	:IN					-	ADD	RESS CHA	NGES	TO BE NOTED ABOVE



State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

OIL10

PAGE 6

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

%H-p ∓0

DATE PRINT	ED	TER	MS OF SAL	E	SHIP VI	Α	F.O.B		FREIGHT TERMS
08/19/	2010								1.00
BID OPENING DATE:		09/21/	2010			BID	OPENING TIME	01	:30PM
LINE	QUAN	ITITY	UOP	CAT. NO.	ITEM NUM	BER .	UNITPRICE		AMOUNT
					ADE THE NI SPECIFICA		Y REVISIONS ETC.	TO MY	
	ADDEND	UM NO.	'S:			•	.*		
	NO. 1		apt						
	NO. 2	X 90.4		-					
	NO. 3	• • • • •							
	NO 4	• • • • •		-					
	NO. 5		• •						
					URE TO COI SE FOR RE.		HE RECEIPT O OF BIDS.	F THE	
	REPRES ORAL D AND AN INFORM	ENTATI ISCUSS Y STAT ATION	ON MA ION H E PER ISSUE	DE OR ELD B SONNE D IN	ETWEEN VEI L IS NOT I WRITING AI	TO BE M NDOR'S BINDING ND ADDE	ADE DURING A REPRESENTATI · ONLY THE		
				·	21	erge	Harrod	• • • • •	
		·			Ha	• • • • • • •	GNATURE O', L.CO.	Inc.	
					• • • •	1	mpany 0/10 tf	• • • • •	
								-	
		,		SEE RE	/ERSE SIDE FOR TE		IDITIONS		
SIGNATURE	se -	Jan.	10			FELEPHONE		DATE 9	120/10
TITLE	/ /	FE	EIN		<u> </u>		ADDRESS O	HANGES	TO BE NOTED ABOVE



VENDOR

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

OIL10

PAGE 7

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

AI SH P V/ T I

DATE PRINTE	D	TER	MS OF SALE	S	SI	HIP VIA			FO:B		FREIGHTTERMS
08/19/2											
BID OPENING DATE:		<u>09/21/</u>	<u> 2010 </u>	00000000001	9388888888	<u>B</u> I	D (<u>OPENING</u>	TIME	01	:30PM
LINE	QUAN	ITITY	UOP	CAT. NO	ITEM	NUMBER		uı	NT PRICE		AMOUNT
 	T HTIV	HE BID	•	IM AC	KNOWLED	GEMENT	SH	OULD BE	SUBMI	TTED	
F	REV. O	9/21/2	009								
	·	·	·	тои	ICE					٠	
	SIGN	ED BID	MUST	BE S	UBMITTE	D TO:		•			
	Р	EPARTM URCHAS UILDIN	ING DI		INISTRA DN	TION			٠		
					TREET, 5305-01						
								.*			
1	THE EN	VELOPE				NFORMAT				OF	
S	SEALED	BID		·							
E	BUYER:						F	ILE 42			
F	RFQ. N	0.:					0	IL10			·
E	BID OP	ENING	DATE:				0	9/21/20	10		
E	BID OP	ENING	TIME:			. *	1	:30 PM			
				ARDI	NG YOUR	•			ESSARY		
SIGNATURE())	7			SEE REV	ERSE SIDE FO	OR TERMS AND ITELEPHON		IDITIONS		Ina⊤⊏	
MAN	he_ 9	Ham				ILECTRON	_			DATE 9	120/10
TITLE	·	FE	EIN					A	DRESS CH	ANGES	TO BE NOTED ABOVE



VENDOR

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

OIL10

P/	GE
	8

ADDRESS:CORRESPONDENCE TO A HENTION OF:

JO ANN ADKINS 304-558-8802

***426142524** PO BOX 685 330 OAK DRIVE

304-927-2470 HARRIS OIL COMPANY INC SPENCER WV 25276

0.00001
220021

DATE PRINTED	TERMS OF SA	ALE SHIF	VIA	FO.B.	FREIGHT TERMS
08/19/2010		-			- medical
BID OPENING DATE:	09/21/2010		BID OPE	NING TIME 01:	30PM
LINE Q	UANTITY UOP	CAT ITEM N	UMBER	UNITPRICE	AMOUNT
·	3.				
	<u> </u>	-927-49	7.4.		
	'				
CONTA	ACT PERSON (F	LEASE PRINT C	LEARLY):		
	11) and b	larvis			
	12-12 X 21-2-1	1			
,					
	•				
***	€¥ THIS IS 1	THE END OF RFQ	OIL10	***** TOTAL:	
			-		
				'	
		•			
					·
	•				
	•				-
			, x		·
		SEE REVERSE SIDE FOR	TERMS AND CONDITION	NS.	
SIGNATURE	2/11/0		TELEPHONE	DATE 9	bolin
TITLE	FEIN		<u> </u>	ADDRESS CHANGES 1	O DE NOTED ADOVE
WHEN DE	PONDING TO DEC	NINGERT MANE AND	ADDDEGG IN CO	ADDRESS CHANGES I	

<u>OIL10</u>

General Specifications

Each bid should be accompanied by nationally published certifiable literature and/or Certification from an independent laboratory that the oil has passed the ASTM requirements described herein. The bidder shall be responsible for the cost of the independent laboratory testing. Failure to provide information may be grounds for rejection of the bid.

Additionally, the West Virginia Department of Transportation will randomly test samples of the delivered product through its Material Division laboratory or an independent laboratory throughout the term of the contract to ensure continuous conformity with the specifications. Upon failure of a random test sample, the supplier shall be required to replace all containers of the product of the same batch number as the failed sample.

Each container of the oil furnished under this specification shall be labeled as follows: corresponding brand name, product name, SAE viscosity grade, API Seal of Approval, API categories, and batch number of its contents, date, and manufacture's name and address.

Successful bidder may be required to furnish a sample of any or all oil bid for test purposes prior to award.

NOTE: All drums shall be labeled as required by OSHA for hazardous material and Material Safety Data Sheets (MSDS) must be submitted with bid and shipped with product.

Packing slip must accompany all shipments. All drums to be sealed and shipped on two-way, non-returnable pallets.

Description: SAE viscosity grades and API service (where applicable) are specified under the detailed requirements for each product.

The successful bidder shall not substitute any other brand from that awarded, nor sell any additional items under their contract not specifically covered herein, without prior permission of the Purchasing Division.

The item(s) as specified is (are) shown only as an example of the quality level and operational characteristics requested by the agency and not intended to mean the only acceptable brand.

Applicable standards: The following documents of current issue and in effect on the bid opening date shall form a part of this specification to the extent specified:

ASTM D 217

ASTM D 811

ASTM D 874

ASTM D 1263

ASTM D 1264

ASTM D 2265

ASTM D 2619

ASTM D 4048

ASTM D 4049

American Society for Testing and Materials (ASTM)

100 Barr Harbor Drive

PO Box C700

West Conshohocken, PA 19428-2959

API Engine Service Classification System

American Petroleum Institute (API)

Division of Marketing

1220 L Street, NW

Washington, DC 20005-4070

SAE J183 – Engine oil performance and engine service classification.

Society of Automotive Engineers (SAE)

400 Commonwealth Drive

Warrendale, PA 15096

MIL-L-46152E

MIL-L-2104E

MIL-L-2105D

US Government Printing Office

Superintendent of Documents

Washington, DC

National Marine Manufactures Association (NMMA)

401 North Michigan Avenue

Chicago, IL 60611

National Lubricating Grease Institute (NLGI)

4635 Wyandotte Street

Kansas City, MO 63113

Warranty:

The contractor warrants under penalty for fraud that any products furnished shall be of the grade and quality required in this specification.

Service and Manuals:

The contractor shall provide technical information and service concerning the use of Products furnished under these specifications when requested by using agencies.

Acceptance, inspection and quality assurance:

Normally, sampling and testing will not be required. The State reserves the right, however, to conduct tests, require samples or require test results to insure compliance with the requirements of this specification.

Using agencies shall inspect for proper identification of products, damaged or leaking containers and other apparent irregularities.

Delivery:

Product shall be furnished as specified and shall be packaged in accordance with the best commercial practice. All shipping container shall be marked to show the brand name and description of the products. All products should be palletized and shrink wrapped except 55 gallon containers.

Drum Deposits:

Where a deposit is required for shipping product in returnable drums the amount shall be shown as a separate item on the invoice and the full amount shall be refundable or credited to the agency's account upon return. The state reserves the right to consider the amount of the deposit as a factor in determining the award of this contract. Returnable drums may be returned by the contractor picking up the drums with his own truck or by the state shipping them to the contractor, transportation charges collect.

Deposit and credit for returnable 55 gal. drums	\$ <u>- </u>	ch
---	---	----

Material Safety Data Sheets:

In addition to meeting current federal and state laws and requirements concerning hazardous chemicals, the contractor shall forward a proper and current material safety data sheet (MSDS). Furthermore, the contractor shall furnish the State and/or its agencies additional MSDS as required. By offering and signing a bid response the bidder agrees to these conditions:

Item Specifications:

<u>Items 1&2</u>

Chain Saw Motor Oil: (also Power Mowers, Pumps, and Snowmobiles). This
oil shall be of high quality and specifically compounded and marketed for
mixing with gasoline to lubricate two-cycle, air and water cooled engines. It
shall meet the warranty requirements as an engine lubricant for the major
manufactures of two-cycle engines used on chain saws, power mowers, pumps,
and snowmobiles.

The motor oil shall be satisfactory for use in any fuel to oil ratio as specified by the engine manufacturer up to an including 50:1. The product offered shall be available in the SAE viscosity grade(s) specified for use in Homelite, McCulloch, Poulan and other two-cycle chain saws.

2. Out Board Motor Oil: This motor oil shall be high quality, ashless and specifically compound and marketed for mixing with gasoline to lubricate two cycle, water cooled engines. It shall have been tested and certified by the National Marine Manufacturers Association (NMMA) for TC-W III and each container shall state same.

The motor oil shall be satisfactory for use is any fuel to oil ratio as specified by the engine manufacturer, up to and including 50:1. The product offered shall be available in the SAE viscosity grade(s) specified by the engine manufacturers for use in all Evinrude, Johnson, Mercury and other two cycle outboard motors.

Items 3 -14, 47

Motor oil and hydraulic oil shipped in black 55 gallon drums or bulk tractor trailer load (6,000 gallons) shall be produced from virgin materials, suitable for use in passenger cars and trucks, diesel and gasoline engines, viscosity grade, SAE 15W40 must be API certified and have the API seal of approval on the product.

This is an engine oil suitable for use in passenger cars and heavy duty engines used in trucks and heavy construction equipment. The oil furnished under this specifications shall be viscosity grade SAE 15W-40 and shall meet all requirements for diesel and

gasoline engines.

The oil furnished shall meet the performance requirements ("Primary Performance Criteria") described in ASTM designated D4485 for performance categories API, CJ-4, CI-4 Plus, CH-4, CG-4, CF-4/SL, SM. Conformance of the oil furnished with the performance requirements shall be Determined with the test methods identified in ASTM D 4485 for all categories.

Motor oil for all diesel and gasoline engine service:

API Service Categories:

SAE 30 API, CF-4, CF-2 CF/SJ

SAE15W40 API, CJ-4, CI-4 PLUS, CH-4 CG-4, CF-4SL, SM

SAE 10 API CF-4 CAT T0-2, ALLISON C-4

SAE 40 API CF-4, CF-2, CF/SJ

SAE 5W20 API SM, SL, SJ, ISLAC GF-4

SAE 5W30 API SM, SL, SJ, ISLAC GF-4

SAE 10W30 API SM, SL, SJ, ISLAC GF-4

SAE 20W50 API SL, SJ SH, SG

SAE 10W40 API SL, SJ SH, SG

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

Must meet the performance level of MIL-L-2104E and MIL-L-45152D

Sulfated ash (ASTM D-874) shall be a maximum of 1% by weight.

Minimum viscosity index for all motor oils shall be 95.

Items 15-17

Extreme Pressure Gear Lubricant:

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

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.

SAE Viscosity Grades – 80W90 and 85W140

Item 18

Gear lubricants are designed for use in automotive and heavy duty equipment transmission and differentials where an EP (extreme pressure) lubricant is not required and where an API Service Designation GL-1 gear oil is specifically called for by the equipment manufacturer.

<u>Item 19</u>

Is a fully synthetic, SAE 50 lubricant for use in heavy-duty truck manual transmissions that meet EATON PS-164, R7, MACK TO-A PLUS, NAVISTAR TMS 6816.

Items 20 - 22

Wheel Bearing and Chassis Grease:

This grease shall be designated by the manufacturers as suitable for a multipurpose use in cars, light and heavy duty trucks, and industrial equipment. Made from a lithium complex soap.

Salient Characteristics: (High Dropping Point)

- 1. NLGI Consistency #1 and #2
- 2. Rust protection and resistance to oxidation
- 3. Resistance to water without washout (ASTM D 1264)
- 4. Leakage resistance (ASTM D 1263)
- 5. Extreme pressure properties
- 6. Anti-wear properties
- 7. Load carrying properties
- 8. Dropping point (ASTM D2265) of Min. 450 degree F.
- 9. Worked penetration (ASTM D217)

NLGI #1 310-340 NLGI #2 265-295

10. NLGI - GC/LB

Items 23 - 25

All Purpose Grease (Moly):

This grease shall be designated by the manufacturer as suitable for use in industrial, automotive and construction equipment applications including heavy stock loading conditions.

Salient Characteristics:

1. NLGI Consistency #2

- 2. Rust protection and resistance to oxidation
- 3. Resistance to water washout
- 4. Extreme pressure properties
- 5. Anti-wear properties
- 6. Good mechanical stability
- 7. Low pressure properties
- 8. Dropping point (ASTM D 2265) of Min. 500 Degree F.
- 9. 3% Moly (Cat. Reg.)

<u>Items 26 - 32</u>

Hydraulic Oil (Hydraulic Hoist Oil):

This product shall be specially blended for service in hydraulic systems employing either vane or gear type pumps on snow removal and road construction equipment and hydraulic-operated equipment.

Note: This oil is not intended for use in hydraulic brakes and automobile-type power Steering units.

Grades:

<u>Light Weight</u> – for use when outside temperature is generally below 32 degrees F.

Medium Weight – for use when outside temperature is generally between 32 Degrees and 100 Degrees F.

<u>Heavy Weight</u> – for use in some systems where ambient temperatures are generally higher and heavier weight products are recommended..

This hydraulic oil shall satisfy the requirements of hydraulic systems used in the application above. Oil shall have good demulsibility characteristics and shall not produce deleterious effects on neoprene, leather or other type seals used in such

hydraulic systems. Product shall contain corrosion, oxidation, antiwear and foam inhibitors in sufficient quantities and quality to adequately protect the hydraulic system including pumps, motor and valves. This oil shall have been tested per ASTM D2619 and approved for use as a quality product in this application.

Abex Denison HF-0, HF-1 HF-2 Sperry Vickers M-2950-S, 1-286-S Sunstrand Hydrostatics Minimum viscosity index for all Hydraulic Oils shall be 95

<u>Light Weight</u> – Cincinnati Milacron Specifications p-68

Medium Weight - Cincinnati Milacron Specifications p-70

Heavy Weight - Cincinnati Milacron Specifications p-69

Items 33 - 34

Transmission Fluid:

This automatic transmission fluid shall be suitable for use in any application where conventional ATF fluid is specified (Dexron III-Mercon).

Items 35-36

TO-4 Fluids

Transmission fluids to meet rigid demands of Caterpillar equipment and Allison C-4. Must provide outstanding rust corrosion control and oxidation stability, foam resistance and elastomer compatibility. The product offered shall meet CAT TO-4 requirements.

Item 37

Transmission Fluid:

This automatic transmission fluid shall be suitable for use in any application where multivehicle ATF fluid is specified meeting specification DEXRON III, MERCON, MERCON V, ATF +3, ATF +4.

Items 38 -39

Combination Fluid:

Formulated for late model farm equipment, off highway machinery, and industrial tractors where transmissions, final drives, wet brakes and hydraulics are supplied from a common fluid reservoir.

Combination fluid, combination hydraulic, transmission, differential fluid for use in tractors requiring combination fluid. This fluid shall have all the varying characteristics

of the following specifications John Deere J20A, Allis Chalmers 257541, Massey Ferguson Permatran III, White Equipment Q-1722, and Ford M2C134A.

Items 40

Railroad diesel engine oil must be a generation 4 oil as designated by (LOMA) EMD approved.

Items 41

Synthetic Motor Oil for Diesel and Gasoline Engines:

API Service Categories

SAE 5W30 – CF/SL SAE 10W30 – CF/SL SAE 5W40 – CJ-4

All should meet the following: Passenger cars and light truck – GM 6094M, GM 4718M and Ford ESE-MC153-E

Must meet the performance level of MIL-L-46152E and MIL-L-2104D

Items 42 - 44

Synthetic Mulitpurpose Gear Lubricant:

API Service Category – GL-5

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

SAE Viscosity grades, 75W90 and 80W140

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

Items 45 - 46

Formulated Gear Oil:

API Service Category – GL-5

These lubricants are intended for use in limited slip and conventional differentials of passenger cars and trucks. Product shall contain: rust, corrosion, antiwear and foam inhibitors for transmissions and differentials.

SAE Viscosity grade: 80W90

ITEM 48

Automatic Transmission Fluid meeting GM specification DEXRON-VI.

ITEM 49

A premium quality heavy-duty universal power shift and automatic transmission fluid which is suitable for use in transmissions requiring Allison TES-295 fluids.

These specifications cover the motor oils, lubricants and greases that are usually purchased by the State of West Virginia for use in automobiles, trucks and other motorized equipment.

,	<u> </u>		S.	(nl			Ī		Т	1		1	-1	1	<u>.</u>		7	- j -	-1		_	<u>о</u> ;	1	<u>_</u> 1		₀]
	EXTENDED PRICE LESS THAN TRIJCK	LOAD		26 26	\$ 30.00 /cs	\$ 31.8U/CS	\$ 32.28 /cs	s 459 80 /dr	20.50	Ì	01.70	ιψ/ C/.14C	ŧ	\$ 27.30 /CS	s 512.60 /dr	53/ 96 26	30.00	\$ 27.30 /05	27.96 /cs	\$ 52.15 /pail	s 174.00 /kg	\$ 172.80 /kg	\sim	s 108.24 /pl	19.20 /10pk	
		Q	27.5	ja ,	ğ	#	10	/ gal		/ gal.	/gal,	/gal.	"]	TB /	/ gat.	1		49,	\$ 167	<u>i</u>	<u>i</u>	/ID	/ID	9	edit /	4
	UNIT PRICE	TRUCK LOAD		1	i	C0.2	2.69		7 06	7 5		3.22	3	1	9.32	2 33			2.33		1.45	1.44		3.28	1.92	1.07
			<u> </u>	1	5	7gt	- Tot	_ &ai3€ \$	-	-		- 		/ot	/ gal 3	÷	╁	- G	/at.	4 P	/lb.	- PE		/Br.	/tube	
	UNITPRICE	TRUCK LOAD		Additional designation of the control of the contro														A THE REAL PROPERTY AND A STATE OF THE PARTY A				-				
	,	EST, QTY.			OOE!	3300	150,000 \$ Jer	1320 gal \$	er 6000 graft &		E STAN	ing co	2000	1_	550 gal \$	6 58000 \$		nell *	800	280 lb \$	3360 lb &	7201b	385 ib	350 lb 8	2500	
	 	BRAND BID	Air Cool	Nautilus	Rotella T 130	Lona Life	- Filmula Septe	15W40	Rimula Super 15W40	Donax TC10 3400 520	Donax TC10	Formula She	Formula Shell	Fromal Shell	5W30	Formula Shell			Spirax HD	Spirax HD	Spirax HD	85W140 Dentax	Spirax Spirax	GSX 50	LX II	Retinax
		MFGR	Pennzoil	Shell	Shell	Pennzoil		Shell	Shell	Shell	Shell	Shell	Shell	Shell	17.0	Shell	Shell	Shell	Shell	Shell	Shell	Shell	Shell	Choll	Oligii	Shell
	CONTAINERS	PACKAGING	24/8 oz., pts./cs.	12/1 qt plastic containers	12/1 qt. plastic	12/1 qt. plastic	containers	55 gal. drum	BULK 6,000 gal. drum	5 gal containers	55 gal, Grum	12/1 qt. plastic containers	12/1 qt. plastic containers		ad yai. urun	12/1 qt, plastic containers	12/1 qt. plastic	12/1 qt. plastic		oo ir. comainers	Lav ID. Coltainers	120 lb. containers	33 lb.)	35 ib. containers	14 to 14-1/20z tubes 10 tube/case	35 lb. containers
		A THEOREM	Motor oil for lubricating 2 cycle engines one pint containers (chain saw motor oil) API TC	Motor oil for lubricating 2 cycls engines (out board motor oil) API TC-W3	Motor oil for all diesel and gasoline engine service SAE30 CF-2 CF/SJ		4.8.1.		64, CF-	Motor oil for all dieset and gasoline engine service SAE 10 CF/SL CAT TO-2, ALLISON C-4	71			igins service			Motor oil for all diesel and gasoline engine service 110W40 CF/SL	Motor oi) for all diesel and gasoline engine service	pressure gear lubricant G. 5 MT-1 MACK CO. I	s pressure gear lubricant GL-5 MT-1 MACK GO. I	pressure gear lubricant	pressure gear tubicant	EATON PS-164, R7 MACK GO-A			Wheel bearing and chassis grease Summer weight NLGI #2
···	11 20 20 20 20 20 20 20 20 20 20 20 20 20		-	es.	m	4		ω	9	7	80	G	9	, m		12	13	4		Ì		1		T	20	21 5

PRICING PAGE - OIL 10

VENDOR: Harris Oil Company

						-				
							UNIT PRICE		EXTENDED PRICE LESS	
TEM	DESCRIPTION	PACKAGING	WFGR	BRAND BID	EST, QTY.	UNIT PRICE TRUCK LOAD	LESS THAN TRUCK LOAD		THAN TRUCK	
	Wheel bean		Shell	Retinax						
22	summer weight NLGI #2	120 lb. containers		ΙΧ̈́	1200 tb		lb. \$ 2.00	/10.	240.00 /kg	
8	All purpose grease (3% molly) water and heat resistant grease NGLI #2	14 to 14-1/202 tubes 10 tube/case	Shell	Retinax CMX II	120	<i>4</i> 7	/tube s 2.53	s edut/	25.30 /10 pk	
24	All purpose grease (3% molly) water and heat resistant grease NGLI #2	35 lb. containers	Shell	Retinax	200 lb		G.	1	la/ 07 60	
25	All purpose grease (3% molly) water and heat resistant grease NGLI #2	120 lb. containers	Shell	Retinax	240 lb				30 60 /kg	
26	Hydraulic oil-light weight RO22 Turbine/Circulating Oil	5 cal. container	Shell	Tellus T	45 ma			+	40 70 (b)	
27	Hydraulic cil-light waight	5 gal, container	Shell	Tellus 32	45 oal		~ ~	ş <i>4</i>	48.4 <i>W</i> .4µ	
88	Hydraufic oil-light weight	55 gal, drum	Shell	Tellus 32	24200 gaf		8 7	· 49		
82	Hydraulic oil-medlum weight	5 gal. container	Shell	Tellus 46	35 gal		1	S	40.55 /pl	
30	Hydraulic oil-medium weight	55 gal. drum	Shell	Tellus 46	11000 gai	THE PROPERTY OF THE PROPERTY O	6.9	159	413.05 /dr	
3.	Hydraulic oll-heavy weight	5 gai. container	Shell	Tellus 68	200 gai		 	69	40.55 /pl	
32	Hydraulic oil-heavy weight	55 gal. drum	Shell	Tellus 68	880 gal		!	69	413.05 /pl	·
33	Transmission fluid - Multi Vehicle ATF	12/1 of plastic containers	Shell	Formula S ATF	Shell 22000		α #	 	\$ 25.92 /cs	·
34	Transmission fluid - Multi Vehicle ATF	55 gal. drum	Shell	Formula Shell				 _ _	411.95 /dr	,
35	Transmission fluid - TO - 4 fluid	5 gal. container	Shell	Donax TC10			<u> </u>	 	50.35 /pl	
38	Transmission fluid - TO - 4 fluid	55 gal. drum	Sheli	Donax TC10	10 605 gal			 	\$ 526.35 /dr	1
37	Automatic Transmission Fluid Multi-Vehicle ATF API DEXRON III, MERCON, MERCON V, ATF+3 ATF+4	12/1 qt. plastic containers	Pennzoil	Multi-Vehicle ATF	cle 1000	8	/at. \$ 2.90	<u> </u>	34.80 /cs	,
38	Combination fluid, combination hydrauffc	5 gal. container	Shell	Donax TD 10W30	250 gal	₩.	φ.		49.85 /nl	
တ္တ	Combination fluid, combination hydraulic	55 gal. drum	Shell	Donax TD	20900 dal	Consequence and Wilders constitutions of the Consequence of the Conseq	_	 	452.10 /dr	,
0,4	Railroad diesal engine oil must be a generation 4 oil as designated by (LOMA) EMD approved		Shell	Caprinus XR-40	880 qal		<u>ن</u>	 	523 05 /dr	
*	Synthetic motor oil for gasoline and diesel engines SAE 50/4/9.	12/1 qt. plastic containers	Shell	Rotella T-	100	undergrade de la companya de la comp	₩ 3) of	s 31 10 /cs	1
22	Syntesized mulipulpose gear lubicant 75W90 DANA SHADES 256, REV. C. EATON ESDO, MACK GO J PLUS	35 lb. container	Shell	Spirax ASKR 75W90			\$3.55	ė	124.25 /kg/	T
						-			2	

PRICING PAGE - OIL 10

VENDOR

		The second secon								
							-	HOIGH LINI		EXTENDED
ITEM	DESCRIPTION	CONTAINERS/ PACKAGING	MFGR	BRAND BID	EST. QTY.	UNIT PRICE		LESS THAN		THAN TRUCK
					TO STATE ANTONION	HERENOLD TO BE SEEN THE PERSON OF THE PERSON	TOWNS WITH		A STATE OF THE PARTY.	
	Synthesized multipurpose gear lubricant 80W140 DANA SHADES 256. ARVIN MERITOR 0.78	,	Shell	Spirax ASX			-			
4 63	MACK GO-J	35 lb. container		80W140	140 lb	Ø.		. 212		2 140 70 Jal
	Synthesized multipurpose gear tubricant 75W90 DANA SHADES 258, REV C. FATON ERON	-	Shell	Spirax ASXR		Anna de la companya d	†	21.7	<u>.</u>	10/ 0//Cl 2
44	MACK GOJ PLUS	120 lb. container		nswe/	120 lb	v		* 22 72 73		106 00 11/2
	The state of the s		liozago	outerco.			†	0.00	+- e	\$ 420.00 /Kg
Δ, 3.5	ROWON OF A		107111201	Solvido			*******		·	
		35 lb. container		004430	770 lb.		(ID	\$ 1.84	<u>a</u>	\$ 64.40 /pl
	Limited slip gear lubricant		Pennzoil	Gearplus		-	L			
\$	80W90 GL-5	120 b. container		80//90	4080	£		70		777 00 770
	Motor oil for all diesel and gasoline engine				1_			\$ 1.78	ġ	\$214.80 /Kg
	service 5W20 CF/SL		Shall	rorrnula snei	7					
47	SM, ILSAC GF4	55 gal. drum	5	0Z/Mc	1300th	M	- io	4030	***********	* 510 60 /dr
						***************************************	✝	70.0	, ya.	* 014.00 /dl
48	Transmission filid - Distant	6/1 qt. Plastic	Pennzoi	Dexron VI					/ga	-
-		Containers			120	··	/ gai.	\$ 4.00	q	\$ 24.00 /cs
		5-Gallon 6/1 ot. Plastic	Shell	Donax TX						
49	TES - 295 Alison TES Fluid	Containers			30	64	ĕ	*23 14	ñ	* 115.70 /pl
			The state of the s	the same of the sa			4			•

NOTE: DELIVERY: PRODUCTS WILL BE BECEIVED MITTING 5	CONTRACT COGRDINATOR: Wayne Harris
AFTER RECEIPT OF ORDER. (ARQ)	PHONE: 304-927-2470
DEPOSIT AND CREDIT FOR RETURNABLE 55 GAL DRUMS: -0- EACH.	TOLL FREE #
	FAX: 304-927-4972
LOCATION OF WAREHOUSES FROM WHICH SHIPMENT CAN BE MADE:	_{Еман.} wharris@harrisoil.com
330 Oak Drive	
Spencer WV 25276	NAME_(Type) Wayne Harris
	SIGNATURE:
	ππ.E. President
	DATE: 09/20/10



*426142524

PO BOX 685

SPENCER WV

330 OAK DRIVE

HARRIS OIL COMPANY INC

25276

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

304-927-2470

Request for Quotation

OTT-10

Ρ/	AGE:	866 (3
	_1	

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

ALL STATE AGENCIES
AND POLITICAL SUBDIVISIONS
VARIOUS LOCALES AS INDICATED
BY ORDER

ADDRESS CHANGES TO BE NOTED ABOVE

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. | FREIGHT TERMS .08/25/2010 BID OPENING DATE 09/21/2010 BID OPENING TIME 01:30PM CAT LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT *********** ADDENDUM NO. 1 MANDATORY PRE-BID MANDATORY PRE-BID WILL BE HELD ON THURSDAY, \$EPTEMBER 9,|2010|@ 10:00AM AT 2019 WA\$HINGTON ST.E., CHARLESTON, WV 25805 IN THE PURCHASING DIVISION CONFERENCE ROOM. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THES MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER. AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIANL BIDDERS TO COMPLETE. THIS WILL SERVE AS TH OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY FATLURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER I\$ RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBLITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER. ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID|WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL SEE REVERSE SIDE FOR TERMS AND CONDITIONS 27-2470

55048025



State of West Virginia
Department of Administration
Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

T

OIL10

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

DATE PRIN	TED	TER	MS OF SAL	E		SHIP VIA		000000	FOB		FREIGHT	TERMS
08/25/ BID OPENING DATE:	2010						1			-		
BID OPENING DATÉ:	Tessesses	09/21/	A CONTRACTOR CONTRACTOR	000000000000000000000000000000000000000	200000000000000000000000000000000000000		BID (PE1	NING TIM		:30PM	
LINE	QUAI	NTITY	UOP	CAT NO	ıπ	EM NUMBER			UNIT PRIC	E	AMC	TAUC
	100000000000000000000000000000000000000					ena, anno anna gaga <u>na bhiliri</u>			<u> </u>			
	DODETO	M 05 5			7) 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	DIID #37~	7, 7, 7, 7,	0111	a Chachtainea	שמעם ו	l	
									BSEQUENT IGN THE	PART		
	ATTEND				դ ը ։	- EKMITI II	ן עם	р Б .	TOM IUT			
+ 5 - +	1111110				1							
					:							;
	*****	*****	****	END	OF AL	DDENDUM	NO.	1	*****	****		
		-:										
										,		
	1				*, -,							
				1								
] .												
		•				•					ļ	
			•		ļ		ļ	!				•
			1		[
										* "		
									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100	1
							!	1]	
						4	ĺ					•
1							ĺ					
0001			ĻS		405-39	9						
	TIPDIC	1 אשרים נ	h	MD CD	EVGEG		-	-				
	PORKTC	ANTS,	үть А	אָט פּאַ.	FADES				•		· .	
			1								-	
					1							
										-		•
				<u> </u>	=		<u> </u>]	alla alla alla alla alla alla al	mom	1	
	*****	THIS	IS T	HE EN.	D OF F	Kħ.Ō	OII	L10	*****	TOTAL:		
				-								•
										•		
		and Control					TOTAL PROPERTY CONTRACTOR	NAME OF THE PERSON		and the second second		
SIGNATURE				SEE RE	VERSE SID	E FOR TERMS TELEP	HONE	and the same of th		DATE	<u> </u>	
Nar	Je sta	urg.	- In I				٤	<u> 304-</u>	-924-24	70	9/20/10	
TITLE) <i>t</i>	F	.55	04802	56				ADDRES	S CHANGES	TO BE NOTE	D ABOVE
1 1 CO 10C1	ICAL DECE	ONIDINIC	TODEC	LINGER	T NIAME	VND VDD	DESS	IN C	DACE AROL	/E I ARELE	ID WENDOE	יכ



ANDOR

State of West Virginia Department of Administration Quotation **Purchasing Division** 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

1 P T O

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276 BY ORDER

DATE PRIN	TED	TER	RMS OF SAL	Æ	SHIPVIA	F.O.B.	FREIGHT TERMS
09/12/							
BID OPENING DATE:	; -1	09/21/	2010	·	BID	OPENING TIME	01:30PM
LINE	QUAI	NTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
	<u> </u>			24 0000 000 000 000 000 000 000 000 000			
							·
					DUM NO. 2 *****		€ * *
	I. MAN	DATORY	PRE-	BID S	IGN-IN SHEETS AT	TACHED.	
	A	20 DED			1070 00 00 40		
		D F.O.			AL \$250.00 OR MO		
					AGENCY USING AL	SS THAN \$250.00	
	PROCUR	EMENT	METHO		IF THE AGENCY CH		
1				· ·	TRANSPORTATION C		
	INVOIC	ED AS	A SEP	ARATE	CHARGE WITH THE	ORIGINAL	
	FREIGH	T BILL	ATTA	CHED	TO THE INVOICE.		
	ACENCI	ES MAY	MAKE	CMAI	DUDCUACES (UND	ED 1050 00)	
	FROM A	LOCAL	SOUR	OF IF	L PURCHASES (UND PRICING INCLUDE	EK \$250.00) C ncitvcpv	
	AND A	SAVING	S RES	ULTS.	INTOTING THOCODE	2 DEFIAEK!	
						•	
	NOTE:				OT PERMITTED TO		
	ORDERS	TO CI	RCUMV	ENT P	URCHASING POLICY	•	
	EXHIBI	T 6			·	•	
			:		·	·	
	PRICE A						
					INIA WILL CONSID		
	CONTAT	N PRUV	ISION	S FOR	PRICE ADJUSTMEN	TS PRIOR TO THE	
	CIICH D	AL EAF	TKALL	UN UF	THE CONTRACT, P COVERS BOTH UPWA	DO VND DOMNMYDD KOAIDFD IHAI	
					ITY PRICE, AND T		'
	IS BAS	ED ON	THE "	PASS	THROUGH: INCREAS	E OR DECREASE O	⊧F
	RAW MA	TERIAL	S AND	OR L	ABOR, WHICH MAKE	UP ALL OR A	
						STMENTS ARE TO	
	BASEU I	UPON A	N ACT	UAL DE	OLLAR FIGURE, NO	T A PERCENTAGE.	
	MLL FR.	TCE AD	JUSIMI Tari e	ENI KI	EQUEST MUST BE S HE DIRECTOR PURC	NRSIANITALED IN	
	PIMITINE IS.	ACCE.	INDLL	• • • • • • • • • • • • • • • • • • • •	UE DIKECIOK FORCE	MASING, E.G.	
		**********		Second	COOLOGE CONTENIO AND CON	<u> </u>	
SIGNATUSE)	Harr	\Box		SECHEV	ERSE SIDE FOR TERMS AND CON		TE 0 /20/10
TITLE DESIGNATION	T		IN		<u> </u>	27- 247 1	9/20/10
PRESIC	27		55 O4	8020	56	ADDRESS CHANG	GES TO BE NOTED ABOVE



State of West Virginia Department of Administration Quotation Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

SH-P

T O

RFQ NUMBER

01L10

ADDRESS CORRESPONDENCE TO ATTENTION OF

JO ANN ADKINS 304-558-8802

VENDOR

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

DATE PRINT		TER	MS OF SAL	E	SHIP VIA		F.O.B.	FREIGHT TERMS
09/12/			*,				a service vice of the service of the	Harman Arthur Carlotte
BID OPENING DATE:		09/21/	<u> 2010 </u>	5000 <u>00000000</u> 0000000000000000000000000	89.000.000.000.000.000.000	BID	OPENING TIME	01:30PM
LINE	QUAN	TITY	UOP	CAT. NO.	ITEM:NUMBE	R	UNIT PRICE	AMOUNT
	PUBLISH SHOULD PURCHAS DATE OF PRICE A ACCEPT ACCORDI AND CAN PREFERF FIRM FOOR	HED PR BE RE SING A THE ADJUST THE P INGLY NCEL T RED TE PREFER OR LIF	ICE L CEIVE T LEAS INCRE MENT, RICE OR RE HE CO RMS: RED T E OF	H MAR ISTS. D IN ST 30 ASE. THE ADJUS JECT NTRAC HAT T	SUCH REQUESTING BY DAYS IN AD ANY TIME TO PURCHASING THE ADJUSTMENT. HE PRICES OF ONTRACT, AS	THE DIVANCE HE VE DIVIS MEND ENT I	ET INCREASE, FOR AN INCREASE IRECTOR OF OF THE EFFECTI NDOR REQUESTS A ION MAY EITHER THE CONTRACT N ITS ENTIRETY S CONTRACT ARE CATED IN THE LI	FE
	LIFE OF PARAGRAFE FOR THE	VENDO THE APHS L RED TE LIFE ATE TE	CONTR ISTED RMS WI OF TH RMS: ICES (S AFTE	ACT, BELO ILL B HE CO ON TH ER TH	HE MUST IND W. FAILURE IND THE VEN NTRACT. IS CONTRACT E EFFECTIVE	TO Q DOR T WILL DATE	O A FIRM PRICE REMAIN FIRM FOI OF THE CONTRAC	
	P	TSULDA	MENT F	OR A	IN FIRM AFT MINIMUM OF ONVENTIONAL	90 D		N
			:					
SIGNATURE)	 ∕∿1			SEEREV	ERSE SIDE FOR TERM	S AND CON	DITIONS	F 4 •
war	e Ha	VVQ))			304-	927-2470	1/20/10
President	<u></u>	FEI		5 048	0256		ADDRESS CHANG	ES TO BE NOTED ABOVE



State of West Virginia Department of Administration Quotation Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

T O

OIL10

ADDRESS CORRESPONDENCE TO ATTENTION OF:

JO ANN ADKINS 304-558-8802

*426142524 304-927-2470 HARRIS OIL COMPANY INC PO BOX 685 330 OAK DRIVE SPENCER WV 25276

DATE PRIN	TED	TERMS OF SALE	SHIP	VIA	F.O.B.	FREIGHT TERMS
09/12/	2010			* × //		the first of the second
BID OPENING DATE:	09/2	1/2010		BID	OPENING TIME 0	L:30PM
LINE	QUANTITY	UOP	CAT. ITEM NO.	JMBER	UNIT PRICE	AMOUNT
0001		LS	405-39	٠		
	1	1				
	LUBRICANTS	, OIL AN	D GREASES			
	range in the	a process	en e			
					•	
	***** TH:	IS IS TH	E END OF REQ	OI	L10 ***** TOTAL	
	·					
		3.35				
	·					
·						
		:				
				÷		
					•	
					•	4.0
			e i de la companya d			
. :	a a section and	** * **	<u> </u>		A A A	
				and the second of the second o	v.	
	*		the second of the second			A Company
· · · .			and statements	Applif Appl		
	* . * . · ·		grafi Santa kalangan perangan			
	* *				** *	
SIGNATURE)		<u> </u>	SEE REVERSE SIDE FOR	TERMS AND CON	DITIONS	
! <i>A IA</i> / \ \	e Hall	(4)		304	6-927-2470 DATE 9	120/10
TITLE PRESIDENT	L	FEIN 55-0	V80256		ADDRESS CHANGES	TO BE NOTED ABOVE
344111	EN DEODONIDA	0 = 0 = 0				

SIGN IN SHEET

Request for Proposal No. OIL10

PLEASE PRINT

Date: September 9, 2010

Page of

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: D-A LUBRICANT Co.	260 PEACH ST. HAZARD KY	HAZARD KY PHONE S/7-946-05 73
RED. SEMN BLAIR	41701	TOLL FREE 800 - 645 - 5823
Email Address: bblair@ da lube . Com.	FAX 606-439-3613	FAX 317-923-3884
Company: MATThe WS LUBIPICANTS	8750 West	PHONE 304-623-336/ 123
Rep: DAN Robey	ClARKSbug WV 26302	TOLL FREE 1800 424-3361
Email Address: drobey as no Themswater com	11	FAX304-623-3364
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX

7

SIGN IN SHEET

Request for Proposal No. OIL10

PLEASE PRINT

RINT

Date: September 9, 2010

Page ____ of ___

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: PETROLEUM PRODUCTS INC	80 Bx 454 Nimo, WV 25143	PHONE (304) 204-191 イ
Rep: Macau		TOLL FREE <i>(30ゴ (</i> 8, <i>c,) フ</i> ァゲーツ ィュー
Email Address: draw hingmanumpetraleum com		FAX (304) 755-3792
Company: Apollo Oil, LLC	1175 Early Drive	PHONE 3047226900
Rep. Dole Handwick	Winchester, ley 40391	TOLL FREE 8887226900
Email Address: dhardwick egaplicail. Com		FAX 304722.6972
Company: AZYNIS O', CO. TAC.		PHONE 304-927-2470
Rep: Wayne Harris	P.D. Box 685	TOLL FREE
Email Address: しょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょうし	Spence, W.U. 25276	FAX 304-927-4972
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX
Company:		PHONE
Rep:		TOLL FREE
Email Address:		FAX



2-CYCLE AIR-COOLED ENGINE OIL

For All Air-Cooled 2-Cycle Engines

PRODUCT DESCRIPTION

PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL is formulated with high quality Pennzoil "tough film" base stocks and an additive package designed specifically for air-cooled engines. Air-cooled engines run hotter than water cooled outboard engines and require a lubricant formulated for their unique lubrication requirements. Applications such as small maintenance equipment can run extremely hot. Dust and dirt on the cooling fins increase the severity. PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL contains a unique combination of detergents and ash-free dispersants to protect against high-temperature deposits and ring sticking, plug fouling and port plugging. Anti-wear protection for the high rpm needle roller bearing commonly found in small air-cooled engines is also critical.

PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL is designed to protect these components and protect against piston scuffing during start up and extended use conditions. It also contains additives to protect against rust and corrosion.

The unique combination of base oils and additives provides superior protection (even at high temperatures and high loads) against piston scuffing, while minimizing exhaust smoke and spark plug fouling. It is prediluted to allow easy mixing with gasoline and smooth flowing in oil injection systems. It is dyed blue for easy identification in the fuel.

APPLICATION

PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL is recommended for air-cooled, two-cycle engines in all applications which do not specify NMMA TC-W®, TC-WII® or TC-W3®. It may be used in premix with gasoline or oil injection systems. It is specifically formulated for higher temperature applications such as chain saws, weed cutters, air blowers, lawnmowers, snow blowers and small generators. It is also recommended for two-cycle engines in motorcycles, snowmobiles and ATV's which do not specify NMMA TC-W®, TC-WII®, or TC-W3® products. It may be used in any application which requires API Service TC lubricants and is suitable for use in Rotax engines. For applications calling for NMMA TC-W®, TC-WII® or TC-W3® oils, use Pennzoil® Premium Outboard and Multi-Purpose Two-Cycle Oil.

Under heavy-duty operating conditions in air-cooled engines, some TC-W[®], TC-WII[®] or TC-W3[®] oils can promote the formation of deposits which result in ring sticking. PENNZOIL[®] 2-CYCLE AIR-COOLED ENGINE OIL contains special detergents that offer excellent protection against ring sticking in these applications.

PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL is a highly fortified, high quality lubricant and should be used at the fuel to oil levels of original equipment oils. The use of lower fuel to oil ratios reduces economy and promotes deposits. Always check the manufacturer's recommendations for fuel to oil ratios and use at the highest ratio allowed.

Because of its special formulation, PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL is generally not compatible with NMMA TC-W®, TC-WII® or TC-W3® lubricants. Caution should be exercised to assure that these products are not commingled. Special precautions should be taken when changing from a TC-W®, TC-WII® or TC-W3® lubricant, like Pennzoil® Premium Outboard and Multi-Purpose Two-Cycle Oil, to PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL to avoid mixing these products in the equipment.

BENEFITS

- High temperature protection
- Protects against deposits and ring sticking
- Ideal for air cooled two-cycle engines
- For premix or injector systems
- Protects bearings and pistons from wear and sculling
- Minimizes spark plug fouling
- Minimizes exhaust smoke
- Prediluted for easier gasoline mixing
- Dyed blue for case of identification
- · Prevents port plugging

April, 1999 Stock # 17861

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® 2-CYCLE AIR-COOLED ENGINE OIL

TEST	METHOD	TYPICAL RESULTS
Gravity, °API	ASTM D-287	29.3
Density, g/cc	ASTM D-1298	0.88
Pounds per Gallon	ASTM D-1298	73.4
Viscosity @ 40°C, cSt @ 100°C, cSt	ASTM D-445 ASTM D-445	78.6 10.3
Viscosity Index	ASTM D-2270	112
Pour Point, °C(°F)	ASTM D-97	-33(-27)
Flash Point, °C(°F)	ASTM D-92	104(219)
Color		Blue
Material Number Bulk		4132

FUEL MIX TABLE OUNCES 2-CYCLE AIR-COOLED ENGINE OIL TO GALLONS OF FUEL

RATIO FUEL:OIL	1 GAL	2 GAL	3 GAL	4 GAL	5 GAL	6 GAL
16:1	8	16	24	32	40	48
20:1	6	13	19	26	32	38
24:1	5	11	16	21	27	32
32:1	4	8	12	16	20	24
50:1	3	5	8	11	13	16

BE SURE TO MIX GASOLINE AND OIL THOROUGHLY



Shell Rotella®T1

RELIABLE LUBRICATION

High Quality Heavy Duty Diesel Engine Oils

Shell Rotella® T1 Energized ProtectionTM oils use well-proven performance additives to fight engine wear and prevent deposits, providing reliable lubrication and consistent performance. Suitable for day to day use in turbo and non-turbocharged older engines.



ENERGIZEDPROTECTION

Adapting to your engine's changing needs

Performance Benefits

Reliable performance

Provide reliable all-year-round performance in the applications for which they are intended.

Proven Durability

Shell Rotella® T1 provides excellent wear protection that promotes engine durability. It has a low ash content which minimizes the formation of deposits and keeps intake ports clean. It offers excellent rust and corrosion protection for critical engine parts

Applications







Heavy Duty Diesel Engines

Shell Rotella® T1 is suitable for mixed fleets combining large over the road diesel trucks with smaller diesel and gasoline-fuelled light trucks and passenger cars

Shell Rotella® T1 is suitable for heavy equipment used for construction4mining or quarry operations

Shell Rotella® T1 is suitable for use in Detroit Diesel two-cycle engines (Series 53471 and 92)

Hydraulic and Transmissions

Shell Rotella® T1 oils can be used in certain transmission and mobile hydraulic systems where the equipment manufacturer recommends use of monograde engine oils.

Specifications and Approvals

Approvals and	S	AE Visco:	sity Grad	le
Specifications	10W	30	40	50
API CF-24CF		1	✓	✓
API CF	✓			
Detroit Diesel		✓	✓	
Series 534/14/2				
Allison C-44C-3	✓			
CAT TO-2	1			
Vickers 35VQ25	√	·		



Health and Safety

Shell Rotella T1 oils are unlikely to present any significant health or safety hazard when properly used in the recommended application4and good standards of industrial and personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact4wash immediately with soap and water.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet. Take used oil to an authorized collection point. Do not discharge into drains, soil or water

Protect the environment

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Typical Physical Characteristics

SAE Viscosity Grade	low	30	40	50
Kinematic Viscosity (ASTM D445) @ 40°C cSt 100°C cSt	38 6.5	107 11.9	150 15.0	221 19.7
Viscosity Index (ASTM D2270)	120	101	99	99
Density @ 15°C kg/l (ASTM D4052)	0.876	0.887	0.890	0.892
Total Base Number mgKOH/g (ASTM D2896)	6	7.5	7.5	7.5
Flash Point °C (Cleveland Open Cup) (ASTM D92)	205	210	225	230
Pour Point °C (ASTM D97)	-33	-24	-21	-15

These characteristics are typical of current production. While future production will conform to Shell's specification4variations in these characteristics may occur.



ENGINE OILS

PRODUCT DESCRIPTION

FormulaShell® SAE 5W-20, SAE 5W-30 and SAE 10W-30 Engine Oils are formulated to help improve fuel economy and provide complete engine protection. FormulaShell® SAE 5W-20, SAE 5W-30 and SAE 10W-30 Engine Oils are premium multi-grade motor oils formulated to provide excellent all weather engine protection.

FormulaShell® SAE 5W-20, SAE 5W-30 and SAE 10W-30 Engine Oils meet or exceed all automobile and light duty truck warranty requirements for gasoline and turbocharged engines where an ILSAC GF-4, API SM, SAE 5W-20, SAE 5W-30, or SAE 10W-30 engine oil is recommended. FormulaShell® Engine Oils contain select viscosity index improvers to provide easier cold weather starting and better high temperature protection demanded by modern high out-put engines. The SAE 5W-20, SAE 5W-30 and SAE 10W-30 grades are Energy Conserving and meet ILSAC GF-4 specifications and API SM and prior API categories. Follow manufacturer's recommendations for viscosity grade and API Service Category. These oils are suitable for use and meet the performance requirements of many automobile manufacturers for service fill oil: 5W-20 (GM 6094M, Chrysler MS 6395P, Ford WSS-M2C930-A), 5W-30 (GM 6094M, Chrysler MS 6395P, Ford WSS-M2C929-A), and 10W-30 (GM 6094M, Chrysler MS 6395P).

FormulaShell® SAE 10W-40 and SAE 20W-50 Engine Oils are premium high performance multigrade motor oils formulated to provide wide temperature range engine protection. FormulaShell® SAE 10W-40 and SAE 20W-50 Engine Oils meet or exceed all automobile and light duty truck warranty requirements for gasoline engines where a SAE 10W-40 or SAE 20W-50 engine oil is recommended. These grade oils meet API Classification SM and can be used in place of SL, SJ, and prior API category oils. Follow manufacturer's recommendations for viscosity grade and API Service Category.

FormulaShell® SAE 10W-40 and SAE 20W-50 Engine Oils are formulated with, thermally stable base stocks and select additive systems to provide protection for the demands made on modern crankcase lubricants. These oils provide a high level of protection against wear, rust and corrosion, piston scuffing and, high temperature oxidation and valve train wear.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES FormulaShell® ENGINE OILS

TEST	TYPICAL RESULTS					
SAE Viscosity Grade	5W-20	5W-30	10W-30	10W-40	20W-50	
API Gravity	32.84	32.60	31.37	31.30	29.40	
Viscosity, cSt, 40°C	46.28	66.16	69.04	96.95	158.32	
Viscosity, cSt, 100°C	8.16	10.75	10.5	14.0	17.63	
Viscosity Index	151	153	138	147	122	
Flash Point, °C (°F)	215 (420)	215 (420)	221 (430)	221 (430)	238 (460)	
Pour Point, °C (°F)	-33 (-33)	-30 (-33)	-30 (-17)	-27 (-17)	-24 (-11)	
Viscosity, cP, Max., 6600 @	-30°C (-22°F)	-30°C (-22°F)		, ,		
cP, Max 7000 @			-25°C (-13°F)	-25°C (-13°F)		
cP, Max., 9500 @			, ,	, ,	-15°C (5°F)	
Low Temp. Pumping	-35°C (-31°F)	-35°C (-31°F)	-30°C (-22°F)	-30°C (-22°F)	-20°C (-4°F)	
Viscosity, cP Max	40,000	40,000	50,000	60,000	60,000	



ENGINE OILS

PRODUCT DESCRIPTION

FormulaShell® SAE 5W-20, SAE 5W-30 and SAE 10W-30 Engine Oils are formulated to help improve fuel economy and provide complete engine protection. FormulaShell® SAE 5W-20, SAE 5W-30 and SAE 10W-30 Engine Oils are premium multi-grade motor oils formulated to provide excellent all weather engine protection.

FormulaShell® SAE 5W-20, SAE 5W-30 and SAE 10W-30 Engine Oils meet or exceed all automobile and light duty truck warranty requirements for gasoline and turbocharged engines where an ILSAC GF-4, API SM, SAE 5W-20, SAE 5W-30, or SAE 10W-30 engine oil is recommended. FormulaShell® Engine Oils contain select viscosity index improvers to provide easier cold weather starting and better high temperature protection demanded by modern high out-put engines. The SAE 5W-20, SAE 5W-30 and SAE 10W-30 grades are Energy Conserving and meet ILSAC GF-4 specifications and API SM and prior API categories. Follow manufacturer's recommendations for viscosity grade and API Service Category. These oils are suitable for use and meet the performance requirements of many automobile manufacturers for service fill oil: 5W-20 (GM 6094M, Chrysler MS 6395P, Ford WSS-M2C930-A), 5W-30 (GM 6094M, Chrysler MS 6395P, Ford WSS-M2C929-A), and 10W-30 (GM 6094M, Chrysler MS 6395P).

FormulaShell® SAE 10W-40 and SAE 20W-50 Engine Oils are premium high performance multigrade motor oils formulated to provide wide temperature range engine protection. FormulaShell® SAE 10W-40 and SAE 20W-50 Engine Oils meet or exceed all automobile and light duty truck warranty requirements for gasoline engines where a SAE 10W-40 or SAE 20W-50 engine oil is recommended. These grade oils meet API Classification SM and can be used in place of SL, SJ, and prior API category oils. Follow manufacturer's recommendations for viscosity grade and API Service Category.

FormulaShell[®] SAE 10W-40 and SAE 20W-50 Engine Oils are formulated with, thermally stable base stocks and select additive systems to provide protection for the demands made on modern crankcase lubricants. These oils provide a high level of protection against wear, rust and corrosion, piston scuffing and, high temperature oxidation and valve train wear.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES FormulaShell® ENGINE OILS

TEST	TYPICAL RESULTS					
SAE Viscosity Grade	5W-20	5W-30	10W-30	10W-40	20W-50	
API Gravity	32.84	32.60	31.37	31.30	29.40	
Viscosity, cSt, 40°C	46.28	66.16	69.04	96.95	158.32	
Viscosity, cSt, 100°C	8.16	10.75	10.5	14.0	17.63	
Viscosity Index	151	153	138	147	122	
Flash Point, °C (°F)	215 (420)	215 (420)	221 (430)	221 (430)	238 (460)	
Pour Point, °C (°F)	-33 (-33)	-30 (-33)	-30 (-17)	-27 (-17)	-24 (-11)	
Viscosity, cP, Max., 6600 @	-30°C (-22°F)	-30°C (-22°F)				
cP, Max 7000 @			-25°C (-13°F)	-25°C (-13°F)		
cP, Max., 9500 @					-15°C (5°F)	
Low Temp. Pumping	-35°C (-31°F)	-35°C (-31°F)	-30°C (-22°F)	-30°C (-22°F)	-20°C (-4°F)	
Viscosity, cP Max	40,000	40,000	50,000	60,000	60,000	



Shell Rimula® Super

Advanced heavy duty fleet motor oil

Shell Rimula® Super oils are advanced high TBN/low-ash heavy duty motor oils for longer oil and engine life in virtually all diesel engines. Designed for fleet and off-highway use, Shell Rimula® Super oils offer the convenience of one oil for use in both the latest low-emission engines with exhaust emissions systems as well as offering excellent performance in pre-'07 engines.

Performance Benefits

- Multipurpose Formulation
 Simplifying inventory needs for fleets
- Extended drain capabilities

Demonstrated by meeting the requirements of API CJ-4, CI-4 PLUS, and Cummins CES 20081, helping engine operators achieve maximum drain flexibility

 Advanced SAE 15W-40 and 10W-30 viscosity grades

Meet the engine oil requirements of low emission DPF/EGR engines as well as older engines reducing the need for additional oils in the fleet

 Excellent shear stability and an enhanced soot control

Additive system provide outstanding viscosity control throughout the drain interval for consistent lubrication and wear protection.

Limited warranty

Product is covered by a limited warranty and meets virtually all US equipment manufacturer's engine oil warranty requirements minimizing operators risk

Applications









 Suitable for North American trucks with the latest emission control systems

Such as diesel particulate filters, and for older EGR and non-EGR models such as trucks manufactured by Freightliner, Kenworth, International, Mack, Peterbilt, Volvo and others.

Suited for use in heavy construction and mining equipment

From leading makers such as Caterpillar and Komatsu.

 Suitable for leading brands of agricultural equipment

Including John Deere, Case-New Holland and Massey Fergusson

Specification and Approvals

pecification and Approvals)	
Specifications and	SAE Viscos	sity Grade
Approvals	10W-30	15W-40
API: CJ-4, CI-4 PLUS, CI-4,	✓	✓
CH-4, CG-4, CF-4, CF		
API: SM, SL	✓	✓
ACEA: E7		√
Caterpillar: ECF-3, ECF-2	✓	✓
Cummins: CES 20081		✓
Detroit Diesel: 93K218		✓
Mack: EO-O Premium Plus		✓
MAN: M3275		1
MB - Approval: 228.3,		✓
228.31		
MTU : Category 2		✓
Volvo: VDS-4		✓

Shell Rimula® Super

Advice

Advice on applications not covered on this datasheet may be obtained from your Shell Representative.

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water

Health & Safety

Typical Physical Characteristics

Rimula® Super		
SAE Viscosity Grade	10W-30	15W-40
Gravity, °API (D 1298)	29.0	29.2
Kinematic Viscosity (ASTM D 445) @ 40 °C mm2/s 100 °C mm2/s	80 12	118 15.5
	·	
Viscosity Index (ASTM D 2270)	144	139
Flash Point (COC) °F (ASTM D92)	400min	400min
Pour Point °F (ASTM D 97)	-23	-25
Neutralization No TBN-E (STM D2896)	10.6	10.6
Sulphated Ash % (ASTM D874)	1.0 max	1.0 max

These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.



Shell Rotella® T6

- LOW EMISSIONS
- ENERGY SAVING

Fully Synthetic Heavy Duty Diesel Engine Oil -Extreme Temperature Performance

Shell Rotella® Tó Energized ProtectionTM oil features Shell exclusive "Low-SAPS" additive technology reinforced with a novel and unique anti-wear system. Protective power is further enhanced through the use of synthetic base oil technology that increases additive activity to deliver low-viscosity fuel saving performance with no compromise in durability. Key benefits include; compatibility with exhaust emissions control systems, protection in extreme operating temperatures and fuel economy performance*.



Performance Benefits

Improved Fuel Economy

Through use of Shell's most advanced technology Shell Rotella® T6 oil offers enhanced fuel economy capability* that can save money in fuel consumption, without compromising engine protection or durability.

*eg compared to 15W-40 oils

Improved Wear Performance

Provides a significantly increased level of protection against harmful engine wear when compared to previous generation API CI-4+ engine oils.

Improved Deposit Control

The advanced multi-functional dispersant additives in combination with synthetic base oils provide an enhanced level of protection against the effects of soot, dirt and other contaminants.

Improved Heat Resistance

Shell Rotella® T6 Synthetic oil resists breakdown by heat to provide continuous protection throughout the service interval.

Emissions System Compatibility

Advanced low-ash formulation helps control blocking of or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.

Protection in Extreme Climates

Shell Rotella® Tó Synthetic oil is based on freeflowing synthetic base oils that allow reliable pumping on start-up under cold climate conditions yet remain thick enough under high temperature operation to protect against wear.

Outstanding Shear Stability

Shell Rotella® T6 Synthetic oil resists viscosity loss through shear and will maintain optimal oil pressure in the engine

Applications









- For new and older diesel powered vehicles
 Suitable for new and older diesel powered vehicles from Class 8 tractor/trailers to heavy-duty diesel pickups, delivery, utility, and school bus fleets.
- Meets or exceeds diesel engine requirements
 Meets or exceeds requirements of API CJ-4,
 Cummins, Caterpillar, Detroit Diesel, Mack,
 Mercedes Benz, Volvo, Ford.
- Gasoline engine applications
 Meets the requirements of API SM



Specification and Approvals

Specifications and Approvals	SAE Viscosity Grade
	5W-40
API: CJ-4, Cl-4 PLUS, Cl-4,	✓
CH-4, CG-4, CF-4, CF	
API: SM, SL, SJ, SH	✓
ACEA: E9	✓
Caterpillar: ECF-3, ECF-2	✓
Cummins: CES 20081	√
DDC: 93K218	✓
Ford: WSS-M2C171-E	✓
JASO: DH2, MA	✓
Mack: EO-O Premium Plus	✓
MB Approval: 228.31	✓
Volvo: VDS-4	✓

Health and Safety

Shell Rotella® T6 oil is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Advice

Advice on applications not covered in this leaflet may be obtained form your Shell Representative.

Typical Physical Characteristics

Shell Ratella® T6	li dente en como en La como de como
SAE Viscosity Grade	Rotella® Tó 5W-40
Kinematic Viscosity (ASTM D 445)	
@ 40°C mm2/s	87
100°C mm2/s	14.2
Dyn. Viscosity (ASTM D 5293)	
@ - 30 °C mPa s	6000
Total Base Number mg KOH/g (ASTM D 2896)	10.6
Sulfated Ash % (ASTM D 874)	1.0
Density @ 15°C kg/l	0.858
(ASTM D 4052)	
Flash Point (COC) °C (ASTM D 92)	224
Pour Point °C (ASTM D 97)	-42

These characteristics are typical of current production. Whilst future production will conform

to Shell's specification, variations in these characteristics may occur.



FORMULA SHELL® ATF/ SHELL DONAX® T FLUIDS

Premium fluids for automatic transmissions

Product Description

FormulaShell® ATF MERCON®/DEXRON®-III - Donax® TG and FormulaShell® ATF Type F- Donax® TF are formulated to meet the viscometric, friction, wear and oxidation stability properties required in passenger car and light truck transmissions. They are available as DONAX® TG and TF in non-retail packages.

<u>FormulaShell® ATF Mercon® / Dexron® -III- Donax® TG</u> Applications

- multipurpose product for use in GM and Ford automatic transmissions except for those that specify Type F or MERCON V.
- recommended for use in Allison automatic transmissions and Caterpillar transmissions that call for TO-2 performance.
- suitable for use in many automatic transmissions made by Voith, Daimler Benz and ZF.
- application as the operating fluid in hydraulic equipment (especially at low ambient temperatures), air compressors, and power steering systems

Approvals

- Ford MERCON
- GM DEXRON-III
- GM DEXRON, DEXRON-II, DEXRON-IIE, Type A and Type A Suffix A
- (GM Transmissions only)
- Allison C-4
- Catrerpillar TO-2
- application as the operating fluid in hydraulic equipment (especially at low ambient temperatures), air compressors, and power steering systems

DONAX TF\FormulaShell ATF TYPE F

Applications

- FormulaShell ATF TYPE F is recommended for use in all 1976 and prior Ford automatic transmissions as well as many 1977 through 1980 Ford models that specify Type F.
- application as the operating fluid in hydraulic equipment (especially at low ambient temperatures), air compressors, and power steering systems

OEM and Industry Approvals

- Ford specification M2C33-F
- application as the operating fluid in hydraulic equipment (especially at low ambient temperatures), air compressors, and power steering systems

Typical Properties of Shell DONAX TF and TG Oils

	Test	FormulaShell ATF	FormulaShell ATF
	Method	MERCON/DEXRON-III	TYPE F
Product Code		53010	53026
Commerical Package		DONAX TG	DONAX T
Viscosity:			
@ -40°F, cP	D 2983	16300	35750
@ 0°F, cP	D 2983	1030	1460
@ 100°C, cSt	D 445	8.03	7.9
Gravity, °API @ 60°F	D 1298	31.2	30.4
Pour Point, °F	D 97	-45	-55
Flash Point, °F	D 92	405	415
Color	D 1500	Red	Red

HANDLING & SAFETY INFORMATION

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.equivashellmsds.com. For more information and availability, call 1+800-782-7852 or visit the World Wide Web: http://www.shell-lubricants.com/.

Shell Retinax Greases LX

Ultra Heavy Duty High Temperature Grease - Long Life Protection for Highly Loaded Wheel Bearing and Other Applications

THICKENER
LITHIUM
COMPLEX

NLGI	
1,2&3	

TEMP RANGE
Retinax LX 2
-20°C
to
+140°C

1	E OIL OSITY
40°C	100°C
160	15.5
cSt	cSt

EP	
ü	

WATER RESISTANCE	
üüü	

Shell Retinax Greases LX are very high performance, lead free, lithium complex, extreme pressure greases developed, primarily, for the lubrication of automotive wheel bearings subjected to high temperatures.

Applications

Automotive wheel bearings

Particularly effective in automotive wheel bearings subjected to high temperatures and load caused by braking from high speed.

Performance Features

Wide operating temperature range

Retinax LX 2 is designed for the lubrication of ball and rolling element bearings operating continuously at temperatures between -20°C and +140°C

Increased fretting protection

Overcomes problems suffered by bearings in conditions of excessive vibration

Excellent mechanical stability

Maintains consistency over long periods

Good pumpability

In grease lubrication systems

Low water wash-out.

Good water resistant properties

Good corrosion protection

In all operating conditions

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative

Typical Physical Characteristics

Shell Retinax Grease	LX 1	LX 2	LX 3
Color	Red	Red	Red
NLGI Consistency	1	2	3
Soap Type	Lithium Complex	Lithium Complex	Lithium Complex
Base Oil (type)	Mineral	Mineral	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71)	150 13.3	160 15.5	160 15.5
Dropping Point °C (IP 132)	240	245	245

The characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health & Safety

Shell Retinax Greases LX are unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained. For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.



SHELL RETINAX® GREASES CMX AND SDX

Multipurpose lithium complex grease with moly for construction, mining and agricultural equipment

Product Description

Shell Retinax[®] Greases CMX and SDX are Shell's multipurpose lithium complex high dropping point, extreme pressure (EP) greases containing molybdenum disulfide (moly). They are primarily intended for construction, mining and agricultural equipment applications. Shell Retinax CMX Grease 1 and Grease 2, and SDX Grease 2 greases are recommended for use in applications requiring a Caterpillar Multipurpose Grease product.

Application

Construction, mining and agricultural applications for Shell Retinax Grease CMX 1 and 2, and SDX Grease 2 include virtually all points of grease lubrication found on dozers, scrapers, earthmovers, cranes, backhoes, shovels, rollers, tractors, combines, and cotton pickers. These lubrication points include all types of anti-friction bearing arrangements from plain sleeve-type to rolling element bearings, as well as bushings and other sliding surface or pivot points. The presence of moly provides added shock loading protection. Shell Retinax Greases CMX 1 and 2, and SDX 2 are formulated to perform well in conditions of high loads and temperature extremes. Additionally, Shell Retinax Greases CMX 1 and 2, and SDX 2 provide excellent resistance to rust and corrosion and are highly resistant to water washout.

Features

Shell Retinax Greases CMX 1 and 2, and SDX 2 consist of a lithium complex soap thickened, multipurpose, extreme pressure (EP) grease compounded with a highly refined ISO 320 viscosity grade paraffinic base oil. Shell Retinax Greases CMX 1 and 2 contain 3% moly by weight, and Shell Retinax Grease SDX 2 contains 5% moly by weight. These greases are characterized by high dropping point (above 450°F) and are formulated with a special additive package to provide superior rust protection and resistance to water washout. A special tackifier helps keep Shell Retinax Greases CMX 1 and 2, and SDX 2 in place on high speed machinery and in wet conditions. Shell Retinax Greases CMX 1 and 2, and SDX 2 have been engineered with good pumpability characteristics making them ideal for centralized lubrication systems. Shell Retinax Grease CMX 1 is recommended for those applications where very cold weather and/or long feed lines are involved.

The presence of moly provides an extra measure of protection in shock loading situations which are very common in both construction and agricultural usage. During heavy shock loading the lubricant film between metal surfaces can be temporarily ruptured or squeezed out. By using a moly grease, a film remains to prevent metal-to-metal contact which could cause equipment damage. The presence of moly is also valuable in dirty environments or when proper relubrication intervals are not followed. Some moly tends to stay in place and protect metal surfaces even when insufficient grease is used.

SOC: 1061-12/02

Benefits

- excellent heavy and shock load protection
- resistance to water washout
- wide range of applications
- high temperature capability
- good low temperature pumpability
- excellent rust and corrosion protection

Recommendations

- construction and mining equipment
- agricultural equipment
- for cold weather operations
- for especially severe applications requiring maximum heavy and shock load protection

Approvals

• meets requirements of Caterpillar's Multipurpose Molybdenum Grease specification.

Product Maintenance

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fitting should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat buildup can result. Periodic relubrication via grease gun or centralized system should be supplemented by complete cleaning and

	Test Method	CMX 1	CMX 2	SDX 2
Product Code		71116	71118	71147
NLGI Grade		1	2	2
Appearance			Gray, Tacky -	7
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Moly%		3%	3%	5%
Base Oil Viscosity @ 40°C, cSt @ 100°C, cSt	D 445 D 445	320 29.3	320 29.3	320 29.3
Penetration, dmm Worked, 60X Worked,10,000X, % Change	D 217	325 10	280 10	280 10
Dropping Point, °F	Mettler	450+	450+	450+
Rust Protection	D 1743	Pass	Pass	Pass
Copper Corrosion	D 4048	1b	1b	1b
Water Washout wt% loss at 175°F	D 1264	4	2	2
Timken, OK Load, lbs	D 2509	50	50	60
Four-Ball EP Load Wear Index, kgf Weld Point, kgf	D 2596	68 400	68 400	68 400
Four-Ball Wear, mm 1 hr, 75°C, 1200 rpm, 40 kgf	D 2266	0.4	0.4	0.4
Grease Mobility, g/minute	U.S. Steel			
-20°F	Method	-	0.2	0.2
0°F 20°F		-	4.0 30	4.0 30
Guide To Usable Temperature Min, °F Continuous Service, Max, °F Short Exposure, Max, °F		-30 325 450	-20 325 450	-20 325 450

Handling Practices
For information on the safe handling and use of these products, refer to their Material Safety Data Sheets at http://www.equivashellmsds.com. For more information and availability, call 1+800-782-7852 or visit the World Wide Web: http://www.shell-lubricants.com/.

Shell Spirax® GSX

High performance, synthetic transmission fluid



Shell Spirax® GSX SAE 50 is the latest addition to the Shell Spirax® family of axle and transmission fluids. It is a synthetic heavy-duty transmission fluid specially formulated for extended drain and severe service applications. This fluid is approved as a Roadranger® Genuine Lubricant for use in Eaton extended warranty transmission service.

Applications

Heavy-Duty transmissions

Synchromesh gearboxes, including those with integrated retarders, and medium loaded axle drives where mineral or synthetic non EP gear oils are required.

Performance Features and Benefits

All-climate year round performance

Formulated from synthetic base stocks and additives, which provide fluidity at sub-zero temperatures as well as lubricity and film strength at elevated temperatures.

Extended Drain Intervals

Engineered to provide extended drain capabilities in transmissions such as Eaton, Volvo and ZF.

Longer transmission life

Contains an effective anti-wear system along with corrosion and oxidation inhibitors that protect system components and helps achieve longer transmission life and potential reduced maintenance costs and less down time.

Potential for increased fuel economy over the oil drain interval

The enhanced oxidative stability of the product helps maintain the original viscosity of the fluid, thereby increasing the potential for fuel economy savings over the drain interval. Part of the Shell family of heavy-duty lubricants and coolants.

Specification and Approvals

API Service Classification MT-1
Eaton PS-164 rev 7
Navistar TMS 6816
Mack Truck TO-A-Plus
Volvo I-Shift 120,000 km ODI
ZE FreedomLine

Information

Information on applications not covered in this leaflet may be obtained from your Shell Representative.

Health and Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.shell-lubricants.com/msds/. If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: http://www.shell-lubricants.com/.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Roadranger® is a registered trademark of the Eaton Corporation.

Typical Physical Characteristics

	Shell Spirax® GSX SAE 50	Test
		Methods
Appearance, visual	Light Amber	
SAE Grade	50	SAE J-300
Viscosity, cSt		ASTM D-445
100°C	17.5	
40°C	132	
Viscosity, SUS		ASTM D-2161
210°F	89.9	
100°F	678	
Viscosity, cP		ASTM D-2983
-40°C	104,000	
Viscosity index	146	ASTM D-2270
Pour point, °C (°F)	<-45 (<-49)	ASTM D–97
Flash point, °C(°F)	221 (430)	ASTM D–92
Foam		ASTM D-892
sequence I	pass	
sequence II	pass	
sequence III	pass	
API gravity 15.6/15.6°C	33.0	ASTM D–287
Density, g/l, 15.6°C (lbs./gal., 60°F)	860 (7.16)	ASTM D-1298
Copper strip corrosion		ASTM D-130
3 hrs. at 100°C (212°F)	1a pass	
3 hrs. at 121°C (250°F)	1a pass	

SHELL SPIRAX® HD

Heavy-duty gear oil for automotive differentials and manual transmissions

Product Description

Shell Spirax HD oils are high performance multigrade extreme-pressure, multipurpose gear lubricants. They are suitable for heavy-duty truck and automotive differentials, manual transmissions and oil lubricated wheel bearings. drive-train gears of heavy-duty automotive, trucking and off-road equipment operated under high-speed/shock load, high-speed/low torque and low-speed/high torque conditions. They meet the requirements of API GL-5 and MIL-PRF-2105E and are available in two SAE viscosity grades: 80W-90 and 85W-140.

Applications

- heavy-duty and conventional differentials in heavy and light duty trucks as well as passenger cars
- conventional manual transmissions calling for API GL-5
- heavy-duty manual transmissions requiring API MT-1 (SAE 80W-90)
- hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, transmissions, final drives and steering mechanisms
- industrial gears sets where extreme pressure gear oils are required

Note: cars equipped with limited-slip differentials may require a different lubricant specified by the manufacturer, such as Shell Spirax[®] LS.

Features/Benefits

- protects hypoid gears against wear and scuffing
- multi-viscosity for year round use over wide temperature range
- contains a sulfur/phosphorus additive system for excellent load carrying capacity
- contains additives to inhibit oil oxidation and keep lubricated parts clean
- contains inhibitors to protect against corrosion, rust and foaming
- · compatible with other automotive gear oils

Approvals and Recommendations

- API Service GL-5 and MT-1
- Mack GO-I, GO-H, GO-G
- MIL-PRF-2105E, SAE J2360
- Meritor Automotive, Inc (formerly Rockwell) O-76-A (SAE 85W-140) and O-76-D (SAE 80W-90)
- International Truck and Engine CEMS B-22

Typical Properties of Shell Spirax® HD

	Test	SAE Grade	
	Method	80W-90	85W-140
Product Code		59210	59212
Gravity, °API	D 1298	26.6	24.6
Viscosity:			
@ - 26°C, cP	D 2983	112000 ¹	
@ - 12°C, cP	D 2983		670001
@ 40°C, cSt	D 445	145	323
@ 100°C, cSt	D 445	14.7	24.6
Viscosity Index	D 270	100	98
Flash Point, COC, °C (°F)	D 92	224 (435)	222 (432)
Pour Point, °C (°F)	D 97	-30 (-22)	-15 (+5)

^{1 --} MIL-PRF-2105E-and SAE J306 specify that viscosities measured at these temperatures do not exceed 150,000 cP.

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.shell-lubricants.com/msds/. If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: http://www.shell-lubricants.com/.

Shell Tellus Oils High performance hydraulic oil



Shell Tellus Oils are premium quality, solvent refined, high viscosity index mineral oil based fluids generally acknowledged to be the 'standard-setter' in the field of industrial hydraulic and fluid power lubrication.

Applications

- Industrial hydraulic systems
- Mobile hydraulic fluid power transmission systems
- Marine hydraulic systems

Performance Features and Benefits

Thermal stability

Thermally stable in modern hydraulic systems working in extreme conditions of load and temperature. Tellus Oils are highly resistant to degradation and sludge formation therefore improving system reliability and cleanliness.

Oxidation resistant

Resist oxidation in the presence of air, water and copper. Turbine Oil Stability Test (TOST) results show outstanding performance for Tellus Oils; low acidity, low sludge formation, low copper loss; therefore extending oil drain interval life and minimising maintenance costs.

Hydrolytic stability

Tellus Oils have good chemical stability in the presence of moisture, which ensures long oil life and reduces the risk of corrosion and rusting.

Outstanding anti-wear performance

Proven anti-wear additives are incorporated to be effective throughout the range of operating conditions, including low and severe duty high load conditions. Outstanding performance in a range of piston and vane pump tests; including the tough Denison T6C (dry and wet versions) and the demanding Vickers 35VQ25. Tellus Oils help system components last longer.

Superior filterability

Tellus Oils are suitable for ultra-fine filtration, an essential requirement in today's hydraulic systems. Unaffected by the usual products of contamination, such as water and calcium, which are known to cause blockage of fine filters. Customers can use finer filters, therefore achieving all the benefits of having in use cleaner fluids.

Low friction

Tellus Oils possess high lubrication properties and excellent low friction characteristics in hydraulic systems operating at low or high speed. Prevents stick-slip problems in critical applications enabling very fine control of machinery.

Excellent air release and anti-foam properties

Careful use of additives to ensure quick air release without excessive foaming. Quick air release helps minimise cavitation and slow oxidation, maintaining system and fluid performance.

Good water separation

Good water separation properties (demulsibility). Resists the formation of water-in-oil emulsions and prevents consequent hydraulic system and pump damage.

All round versatility

Tellus Oils are suitable for a wide range of other industrial applications.

Specifications and Approvals

Tellus Oils have the following approvals:

CINCINNATI P-68 (ISO 32) CINCINNATI P-70 (ISO 46) CINCINNATI P-69 (ISO 68) DENISON HF-0 DENISON HF-1 DENISON HF-2 Esten (Violege) M-2950 S

Eaton (Vickers) M-2950 S Eaton (Vickers) I-286 S

Tellus Oils meet the requirements of:

ISO 11158 HM GM LS/2 AFNOR NF-E 48-603 Bosch Rexroth Ref 17421-001 and RD 220-1/04.03 Swedish Standard SS 15 54 34 AM

Compatibility

Tellus Oils are compatible with most pumps. However, please consult your Shell Representative before using in pumps containing silver plated components

Seal & Paint Compatibility

Tellus Oils are compatible with all seal materials and paints normally specified for use with mineral oils.

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

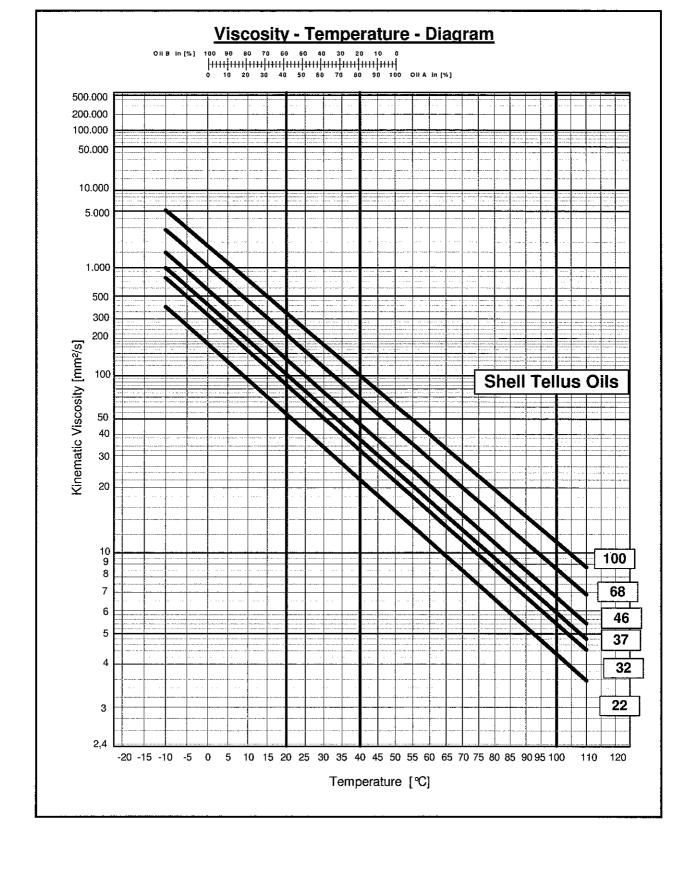
Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Shell Tellus Oil	22	32	37	46	68	100
ISO Oil Type	НМ	НМ	НМ	НМ	НМ	НМ
Kinematic Viscosity @ 0℃ cSt 40℃ cSt 100℃ cSt (IP 71)	180 22 4.3	338 32 5.4	440 37 5.9	580 46 6.7	1040 68 8.6	1790 100 11.1
Viscosity Index (IP 226)	100	99	99	98	97	96
Density @ 15 ℃kg/l (IP 365)	0.866	0.875	0.875	0.879	0.886	0.891
Flash Point °C (Pensky-Martens Closed Cup) (IP 34)	204	209	212	218	223	234
Pour Point °C (IP 15)	-30	-30	-30	-30	-24	-24

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.







Shell Tellus® Oils T

High performance hydraulic oils for wide temperature ranges

Shell Tellus Oils T are premium quality hydraulic oils formulated with proprietary anti-wear technology and a shear stable viscosity index improver to enhance and maintain excellent viscosity/temperature characteristics. These oils are designed to meet the requirements of a large range of industrial and mobile hydraulic applications.

Applications

 Hydraulic and fluid power transmission systems subjected to wide variations in temperature or where low viscosity change with fluctuating temperature is required.

Certain critical hydraulic systems can only tolerate small variations in viscosity with fluctuating temperature if efficiency and responsiveness are to be maintained. Hydraulic oils, such as Shell Tellus Oil T, which exhibit multigrade viscosity characteristics may be used to particular advantage in these circumstances. If even further limited viscosity variations are required Shell Tellus Oils STX should be considered.

Performance Features and Benefits

Wide operating temperature range

The use of a specially selected viscosity index improver reduces the viscosity variation with temperature, which helps the system to operate in a wide oil temperature range with more consistent performance. There are various reasons for oil temperature variation in service like: environment)ambient) temperature variation, intermediate working condition or variable workload.

• Viscometric characteristics unchanged with time

The excellent shear stability of the viscosity index improver helps minimize permanent viscosity loss allowing the oil to the oil to maintain its original viscometric characteristics at high temperatures. This helps prevent the loss of system efficiency and inadequate protection at the maximum operating temperature.

Outstanding anti-wear performance

Next generation anti-wear additives are incorporated into the formulation to be effective throughout the range of operating conditions, including low and severe load conditions. Shell Tellus Oils T exhibit outstanding performance in a range of piston and vane pump tests; including the newest Denison T6H)the so called hybrid pump), the tough Denison T6C)dry and wet versions) and the demanding Vickers 35VQ25.

Hydrolytic stability

Shell Tellus Oils T demonstrate good chemical stability in the presence of moisture, which helps promote long oil life and reduce the risk of corrosion and rusting.

• Excellent filterability

Shell Tellus Oils T are suitable for ultra-fine filtration, an essential requirement in today's hydraulic systems. Shell Tellus Oils T are virtually unaffected by minor contamination with water and calcium, which are known to cause blockage of fine filters. Customers can use finer filters, which helps achieve all the benefits of using cleaner fluids.

• Oxidation resistant

Shell Tellus Oils T resist oxidation in the presence of air, water and copper. These oils exhibit low increase in acidity, low sludge formation, and low copper loss therefore helping to maintain expected oil drain intervals and minimize maintenance costs.

• Thermal stability

Shell Tellus Oils T are thermally stable in modern hydraulic systems working in extreme conditions of load and temperature. Shell Tellus Oils T are highly resistant to degradation and sludge formation therefore helping to improve system reliability and cleanliness.

Excellent air release and anti-foam properties

Careful use of additives provides quick air release without excessive foaming. Quick air release helps minimize cavitation and slows oxidation, helping to maintain system and fluid performance.

• Good water separation

Shell Tellus Oils T exhibit good water separation properties)demulsibility) thereby resisting the formation of water-in-oil emulsions and helping to prevent consequent hydraulic system and pump damage.

Specifications and Approvals

Shell Tellus Oils T have the following approvals: CINCINNATI P-68)ISO 32)
CINCINNATI P-70)ISO 46)
CINCINNATI P-69)ISO 68)
DENISON HF-0
DENISON HF-1
DENISON HF-2
Eaton)Vickers) M-2950 S
Eaton)Vickers) I-286 S

Shell Tellus Oils T meet the requirements of: Swedish Standard SS 15 54 34 AM ISO 11158 AFNOR NF-E 48-603

Compatibility

[Shell Tellus Oils T are compatible with most pumps.] However, please consult your Shell Representative before using in pumps containing silver plated components.

Seal & Paint Compatibility

Shell Tellus Oils T are compatible with seal materials and paints normally specified for use with mineral oils.

Health & Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.shell-lubricants.com/msds/. If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: http://www.shell-lubricants.com/.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

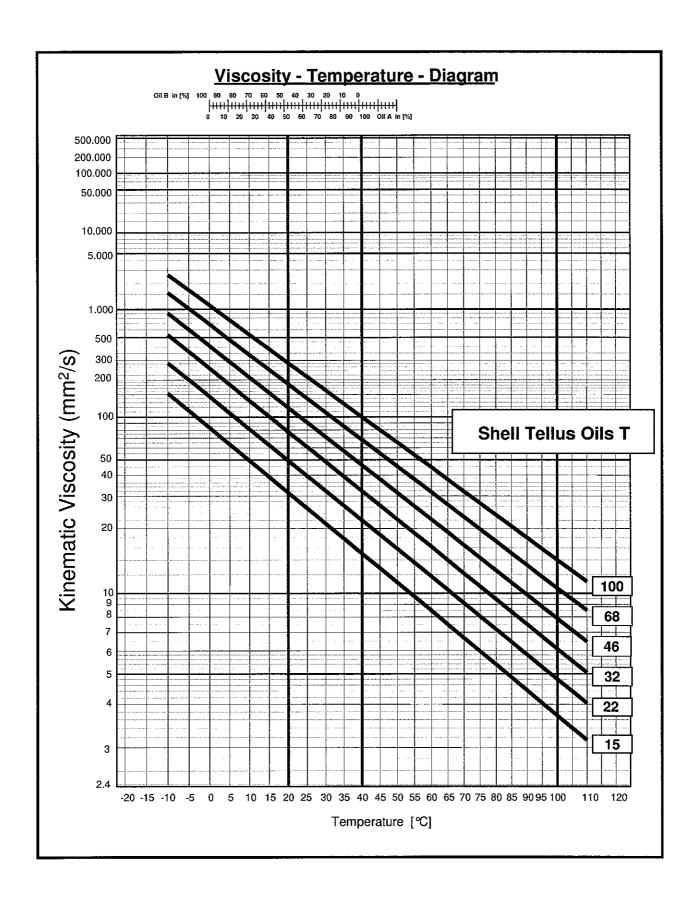
Typical Physical Characteristics

Shell Tellus Oil T	15	22	32
Product Code			
Bulk Drums Pails	500000297 6540700055 6540705203	500002851 6540000055 6540005203	500000426 6540100055 6540105203
Appearance	Light Pale	Light Pale	Pale
Kinematic Viscosity)ASTM D 445) cSt @ 40°C cSt @ 100°C	15 3.7	22 4.8	32 6.1
Viscosity Index)ASTM D 2270)	140	140	140
Emulsion Test, 130 °F)ASTM D 1401) Separation time, 30 minutes max	Pass	Pass	Pass
Copper Corrosion)ASTM D 130)	1a	1a	1a
Rust Test)ASTM D 665B)	Pass	Pass	Pass
Pour Point, °C)ASTM D 5969)	-42	-42	-39
Dielectric Strength, kV*)ASTM D 877)	35 min	35 min	35 min

^{*} On product in sealed containers from Shell blending plants only.

Shell Tellus Oil T	46	68	100
Product Code			
Bulk Drums Pails	500000431 6540200055 6540205203	500000293 6540300055 6540305203	500000427 6540400055
Appearance	Pale	Pale	Dark Pale
Kinematic Viscosity)ASTM D 445) cSt @ 40°C cSt @ 100°C	46 7.9	68 10.5	100 14.0
Viscosity Index)ASTM D 2270)	140	140	140
Emulsion Test, 130 °F)ASTM D 1401) Separation time, 30 minutes max	Pass	Pass	Pass @ 180 °F
Copper Corrosion)ASTM D 130)	1a	1a	1a
Rust Test)ASTM D 665B)	Pass	Pass	Pass
Pour Point, °C)ASTM D 5969)	-39	-36	-33
Dielectric Strength, kV*)ASTM D 877)	35 min	35 min	

^{*} On product in sealed containers from Shell blending plants only.





SHELL DENTAX® Oils

Automotive Gear Oils

Product Description

Shell Dentax[®] gear lubricants are designed for use in automotive and heavy duty equipment transmission and differentials where an EP (extreme pressure) lubricant is **not required** and where an API Service Designation GL-1 gear oil is specifically called for by the equipment manufacturer.

Applications

- heavy-duty manually operated transmission and gear boxes requiring API-GL1 lubricants
- spiral bevel and worm axles
- steering gears, universal joints, and spline shafts
- enclosed industrial gears and flexible couplings

Note: not recommended for hypoid gears

Features/Benefits

- good oxidation stability helps provide long service life
- low foaming tendency
- compatible with other gear oils

Approvals and Recommendations

- API Service GL-1
- International Trucks (80W-90)

Typical Properties of Shell Dentax Oils

	Test			
	Method	80W-90	140	250
Product Code.		59003	59050	59051
Gravity, °API	D 1298	29.2	22.8	21.7
Viscosity @ 40°C, cSt @ 100°C, cSt @ 100°F, SSU @ 210°F, SSU	D 445 D 445 (calc) (calc)	139 14.8 728 79	955 41 5259 198	1669 56 9315 271
Viscosity Index	D 2270	107	74	72
Flash, °C (°F)	D 92	210 (415)	303 (580)	321 (615)
Pour Point, °C (°F)	D 97	-21 (-5)	-9 (15)	-9 (15)
Brookfield Viscosity cP @ -15 °F	D 2893	80,600	-	-

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.equivashellmsda.com. For more information and availability, call 1+800-782-7852 or visit the World Wide Web: http://www.sheil-lubricants.com/.

SOC: 1521-12/02



SHELL DONAX® TC

Premium fluids for heavy duty off-highway equipment transmission and hydraulic systems

Product Description

Shell Donax® TC oils are designed to meet the demanding requirements of modern transmission, final drive, oil immersed brake and hydraulic systems fitted to heavy-duty off-road equipment. Specially formulated, they meet the Caterpillar TO-4 specification as well as the Allison C-4 requirements for transmission and drive train fluids and are available in SAE viscosity grades 10W, 30, 50 and 60.

Applications

- applications requiring a TO-4 fluid such as transmissions, final drives and hydraulic systems
- manual, powershift and automatic transmissions requiring a Allison C-4 fluid (SAE 10W and 30 grades)
- high pressure hydraulic systems requiring antiwear properties and superior rust protection
- non-engine applications requiring an API CD/TO-2 fluid
- twin disc clutches

Donax TC is <u>not recommended</u> for farm tractor service that employs a common reservoir for transmission and hydraulic systems. **Donax TD** is recommended for those applications.

Features/Benefits

- outstanding oxidation resistance and sludge control
- available in SAE viscosity grades 10W, 30, 50, and 60 to meet varied operational needs
- provide excellent antiwear performance for gears, hydraulic pumps and drive train components
- excellent controlled frictional properties that minimizes chatter in wet-disc brakes, extend clutch life and provide transmission slippage control, especially during high-load operation at extreme temperatures
- do not contain friction modifiers, making them suitable for use in twin disc clutches

Approvals and Recommendations

Donax TC is recommended for use in all of the following applications:

- Allison C-4, C-3 (SAE 10W, 30)
- Caterpillar TO-4, TO-2
- Eaton Fuller transmissions
- Euclid Equipment
- Ford Type F transmission fluid (SAE 10W)
- Komatsu-Dresser Equipment
- Terex Construction Equipment
- Vickers M-2950-S for Mobile Hydraulics
- ZF Powershift

Typical Properties of S	Shell Donax T	C Oils			
	Test				
	Method		SAI	E Grade	
		10W	30	50	60
Product Code		53082	53083	53084	53180
Gravity, °API	D 1298	30.4	28.8	26.5	25.2
Viscosity:					
@ 40°C, cSt	D 445	40.3	93.5	219	310
@ 100°C, cSt	D 45	6.3	11.0	19.2	23.8
Viscosity Index	D 2270	104	102	99	97
Flash Point, °C (°F)	D 92	210 (410)	227 (440)	229 (445)	232 (450)
Pour Point, °C (°F)	D 97	-36 (-33)	-30 (-22)	-20 (-4)	-18 (0)

HANDLING & SAFETY INFORMATION

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://equivashellmsds.com. For more information and availability, call 1+800-782-7852 or visit the World Wide Web: http://www.shell-lubricants.com/.

Technical Data Sheet



MULTI-VEHICLE AUTOMATIC TRANSMISSION FLUID

PRODUCT DESCRIPTION

PENNZOIL® MULTI-VEHICLE ATF is a special blend of high quality base stocks with an advanced additive system for automatic and powershift transmissions. PENNZOIL® MULTI-VEHICLE ATF meets the performance requirements of a broad range of automatic transmission applications and can function as a Caterpillar TO-2 lubricant.

PENNZOIL® MULTI-VEHICLE ATF is formulated to provide the protection that meets or exceeds the quality standards in the industry. The specially balanced additive system protects against shudder, eliminates the need to stock ATF supplements and ensures a high-performance smooth driving experience. Carefully balanced friction modifiers allow friction retention for long life performance and maintain the smooth lock-ups required by a wide variety of vehicles. Enhanced oxidation, thermal stability and corrosion resistance helps maintain year-round protection of the transmission components.

APPLICATION

PENNZOIL® MULTI-VEHICLE ATF provides excellent wear protection for all passenger cars and light trucks requiring the use of a Type A or Type A Suffix A, GM DEXRON®, GM DEXRON®-II, GM DEXRON®-IIE, GM DEXRON®-III (H), Ford MERCON® or MERCON® automatic transmission fluid. It is also recommended for applications requiring Toyota T®, T-III®, or some models T-IV®, Nissan Matic-D® and Matic-J®, Honda ATF-Z1®, and Mitsubishi Diamond SP-II® and SP-III® particularly where a DEXRON®/ MERCON® fluid is allowed for service fill. See the table below for fluid applications.

PENNZOIL® MULTI-VEHICLE ATF is not suitable in a few pre-1986 vehicles where Type F fluids are specified, or some recent vehicles equipped with continuous variable transmissions (CVT's). It also is not suitable for 2006 and later GM vehicles requiring DEXRON® VI, Ford requiring Type SP, Ford Mercon LV, Toyota WS, Nissan Matic-K, newer Daimler and some other manufacturer's 6 and 7 speed transmissions, and other specialty transmissions where a low viscosity ATF is recommended or an OEM specific fluid is required. Always check application before using or adding any automatic transmission fluid.

PENNZOIL® MULTI-VEHICLE ATF can be used in some passenger car manual transmissions trucks and buses, off-highway construction/mining equipment, agricultural equipment, mobile hydraulic systems, industrial machinery, and power steering systems where DEXRON®, DEXRON®-II, DEXRON®-IIE, DEXRON®-III (H), MERCON® or MERCON® V type fluids are specified.

BENEFITS

- Inventory optimization: Use single ATF for many specifications and applications without using ATF supplements
- Excellent friction performance to enhance shift quality -- no shudder
- A perfect balance of additive technology and in high quality base oil
- Excellent oxidation and thermal stability
- Excellent cold temperature flow properties

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® MULTI-VEHICLE ATF

TEST	METHOD	TYPICAL RESULTS
Density @ 15°C, g/mL	ASTM D-4052	0.861
Pounds per Gallon		7.64
Flash Point, °C	ASTM D-92	184
Pour Point, °C	ASTM D-97	-48
Color		Red
Viscosity		
@ 40°C, cSt	ASTM D-445	33.82
@ 100°C, cSt	ASTM D-445	7.60
Viscosity Index	ASTM D-2270	204
Brookfield Viscosity @ -40°C, cP	ASTM D-2983	10,200
ypical values that may vary from batel	to batch	

PENNZOIL® Multi-Vehicle Automatic Transmission Fluid

ALWAYS Check Application Before Using Any Automatic Transmission Fluid (Not for Type F and not for Continuous Variable Transmission applications(1.2)*)

Manuafacturer	Fluid Specification	Notes	Manuafacturer	Fluid Specification	Notes
Allison	C-4	Recommended for use	Mercedes	Pre-1996	Suitable for use in Pre-1996 mode
BMW	LA2634	Recommended for use	Mitsubishi	Diamond SP-II	Recommended for use
BMW	LT71141	Recommended for use	Mitsubishi	Diamond SP-III	Recommended for use
Ford	MERCON	Recommended for use	Nissan/Infiniti	Matic-D	Recommended for use
Ford	MERCON V	Recommended for use	Nīssan/Infiniti	Matic-J	Recommended for use
GM	DEXRON	Recommended for use	Toyota	Туре Т	Recommended for use
GM	DEXRON-II	Recommended for use	Toyota	Type T-HI	Recommended for use
GM	DEXRON-II D	Recommended for use	Toyota/Lexus	Туре Т-IV	Service fill or top off except 2004+ Prius, Landcruiser, 4-Runner, Lexu (GL, LS, LX models) where Dexro III is allowed
GM	DEXRON-III H	Pre 2005 GM Vehicles	Voith	55.6335.32 (G607) Voith DIWA #013S	Recommended for use
Honda	Premium	Recommended for use	Volvo	Volvo	Recommended for use
Honda	ATF-Z1	Recommend for use where owners manual lists DEXRON® III as an alternative to genuine fluid	Various	ZF TE-ML 14B	Recommended for use
MAN	339F	Recommended for use	Various	ZF TE-ML 16L	Recommended for use

*Note: 1) PENNZOIL® M-V ATF can not be used where type F type fluids are recommended, check your manual if your vehicle is one of

the following: Datsun/Nissan pre 1971, Lincoln pre 1978, Ford/Mercury pre 1981, Toyota pre 1983, Volvo pre 1985, Mazda pre 1986, Saab pre 1993

2) PENNZOI®L M-V ATF should not be used in Continuous Variable Transmissions (CVTs)

Dexron is a registered trademark of General Motors Corporation. Mercon is a registered trademark of Ford Motor Company.

Shell Donax TD

High performance tractor transmission oil



Premium "universal tractor transmission oils" (UTTO) designed for use in transmissions, hydraulic systems, oil immersed brakes and other ancillary systems fitted to agricultural tractors and off-road equipment. Donax TD are recognised by leading agricultural equipment manufacturers and suitable for use in most modern equipment.

Applications

Agricultural Tractors Transmissions

Donax TD has been evaluated against the latest requirements of leading tractor and transmission manufacturers including John Deere, Massey Ferguson, CNH and ZF.

Hydraulic Systems

Donax TD is ideally suited for hydraulic systems of tractors and ancillary equipment. Donax TD is formulated using specially selected additives and high quality base oils to provide good low temperature fluidity and wear protection.

Oil Immersed Brakes

Special friction modifying additives are included in Donax TD to ensure optimum performance of oil immersed brakes whilst minimising brake noise. Donax TD is recommended for most wet brake systems fitted to agricultural tractors and off-highway construction equipment.

For extreme wet brake noise, consider using Shell Donax TDQ.

Warning: Not to be used as an engine oil

Performance Features and Benefits

Enhanced Protection

Excellent anti-oxidation, shear-stability, anti-wear, anti-corrosion and anti-foam characteristics result from the use of the latest additive technology leading to greater reliability and reduced down time thus minimising cost and maximising utilisation.

Operator Comfort

The excellent low temperature fluidity of Donax TD, results in responsive hydraulic performance, and smooth gearshift performance, from cold starts to maximum operating temperatures. Friction modifying additives help create smooth, noise-free operation of oil immersed brakes.

OEM Recognition

Donax TD has been tested and approved by a wide range of equipment manufacturers.

Specification and Approvals

API GL-4 API Gear Performance Case New Holland MAT-3525 M2C-134D FNHA-2-D.201.00 John Deere JDM-J20C Massey-Ferguson M1143 M1145 Volvo WB 101 ZF TE-ML 03E, 05F Caterpillar TO-2 (obsolete) Komatsu recommended for use in certain construction equipment

Recommendations

Donax TD is also recommended for use in Case equipment where fluids meeting MS 1207 or MS 1209 are specified.

Donax TD can be used when a SAE J 306 85W grade is recommended.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Donax			TD
SAE Viscosity Grade		SAE J 300	10W-30
Kinematic Viscosity		ISO 3104	
at 40℃	mm²/s		60
at 100℃	mm²/s		9,4
Shear stability (kin vis @ 10	(2°0)		
after 20 hrs KRL	mm²/s	CEC-L-45	8,1
John Deere	mm²/s	JDQ 102	7,8
Dynamic Viscosity			:
Brookfield @ -20 ℃	mPa.s	DIN 51398	4.750
Brookfield @ -35℃	mPa.s		64.800
Viscosity Index		ISO 2909	138
Density at 15℃	kg/m³	ISO 12185	882
Flash Point COC	ಌ	ISO 2592	220
Pour Point	℃	ISO 3016	-42

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.



SHELL CAPRINUS® XR OILS

High performance, zinc-free & chlorine-free railroad and marine engine oils

Product Description

Shell Caprinus[®] XR are premium quality, zinc-free, and chlorine-free railroad and marine engine oils with an established history of providing outstanding engine cleanliness. Caprinus XR oils are available in SAE 40 and SAE 20W-40 viscosity grades.

Applications

- recommended for medium speed two-cycle and four-cycle diesel engines, including:
 - EMD

- Fairbanks-Morse
- General Electric
- ALCO
- other similar diesel engines used as auxiliary or main engines in marine service or as switching locomotives
- stationary engines requiring oils with API CF and API CD (obsolete) level performance

Features/Benefits

- formulated with a unique Shell additive system that is both zinc free and chlorine free
- provide excellent engine cleanliness, especially engine top decks
- provide superior in service retention of Total Base Number (TBN). (Note: EMD and General Electric, as well as the LMOA, recognize that new oil TBN is not an indicator of an oil's performance and do not include TBN in their oil specifications)
- provide extended oil drain interval capability
- multigrade Caprinus XR 20W-40 contains a shear-stable viscosity index improver additive that provides
 reduced oil consumption and better fuel economy, allows for longer oil drain intervals through control of
 used oil viscosity increase in severe applications & provides better lubrication and oil flow at low
 temperatures and during engine warm-up

Approvals and Recommendations

- ElectroMotive Division of General Motors (EMD)
- General Electric as Generation 4 Long Life Oils
- Locomotive Maintenance Officers Association (LMOA) Generation 5
- API CF
- API CD (obsolete)

SOC: 1076-03/04

Typical Properties of Shell Caprinus XR Oils

	Test		
	Method	SAE C	Grade
		40	20W-40
Product Code		54794	54793
Gravity, °API	D 1298	24.9	27.0
Viscosity:			
@ 40°C, cSt	D 445	150	139
@ 100°C, cSt	D 445	15.0	15.5
Viscosity Index	D 2270	97	115
Flash Point, COC, °C (°F)	D 92	246 (480)	222 (435)
Pour Point, °C (°F)	D 97	-21(-10)	-24 (-11)
Neutralization No, TBN-E	D 2896	13.6	13.6
Sulfated Ash, wt%	D 874	1.46	1.46
Calcium, wt%	X-ray	0.43	0.43
Zinc, ppm	X-ray	< 10	< 10

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.equivashellmsds.com. For more information and availability, call 1+800-782-7852 or World Wide Web: http://www.shell-lubricants.com/.





Shell Donax TX

Premium Heavy Duty Transmission Oil

Shell Donax TX Oil is a premium quality synthetic-blend, heavy duty universal power shift and automatic transmission fluid which is suitable for use in transmissions requiring Allison TES-295 fluids. Engineered to meet the requirements of the latest heavy duty transmissions, Donax TX is the ultimate performance synthetic-blend automatic transmission fluid which enables extended service intervals and extended limited warranty. Donax TX remains stable even under severe operating conditions.

Applications

Heavy Duty Automatic Transmissions

Donax TX was developed to meet the extended drain requirements of late model heavy duty transmissions. It is particularly suitable for transmissions requiring a TES-295 type product. Donax TX is recommended for used in the following applications:-

- Municipal fleets
- Vans, school buses
- Buses and Coaches
- Emergency vehicles
- Commercial vehicles and trucks
- Motor-homes
- > On/Off-highway vehicles
- Heavy duty pickup trucks

Donax TX can also be used in ZF and Voith manufactured heavy duty transmissions as well as those previously serviceable by Dexron® III and Mercon®, and is paricularly suited to mixed fleet operations.

Performance Features and Benefits

Shell Donax TX offers the following performance features and benefits:

- Excellent thermal and oxidation stability
 Donax TX resists formation of deposits to
 ensure longer fluid life and better fluid
 performance under arduous conditions.
- High viscosity index
 Donax TX incorporates latest synthetic-blend base fluid technology, which provides outstanding high and low temperature performance. The physical characteristics provided by the additive technology and semi-synthetic base oils

allows for extremely low temperature fluidity, further protecting the transmission components from premature wear under extreme operating conditions.

- Excellent shear stability, corrosion and foaming resistance
 - Donax TX retains its fluid characteristics even under high loads and shear conditions. The excellent wear protection, shear stability and frictional characteristics of the additive technology provides outstanding oil performance allowing the equipment operator to extend oil drain intervals while maximising the life of the transmission.
- Compatible with most other automotive transmission fluids and seals When changing to Donax TX, Shell recommends the transmission system is appropriately drained and flushed in order to obtain all of the performance benefits that changing to this fluid will provide. Donax TX is, however, compatible with most other transmission fluids and seals.
- One fluid for year-round use in all geographic locations

Oil Drain Interval Potential:

This technology allows extended oil drain intervals up to 50,000 miles for severe service and 100,000 miles for regular service, and should be accompanied by an appropriate oil analysis program.

Oil analysis should be conducted every 15,000 miles interval beyond the standard recommended drain interval of a C-4 fluid.

Shift Comfort and Maintenance Costs

The combination of these features and benefits translates into smooth shifting comfort, and lower

maintenance costs due to extended drain intervals and longer transmission component life.

Specifications and Approvals

- > Allison TES-389 (AA-32332007)
- > Former Dexron-III applications
- > Former Ford Mercon applications
- > Ford Mercon V (M5060501
- > Voith 55.6335.33 (Aug04)
- > ZF TE-ML14B, 16L, 17C
- > Allison C-4
- MAN 339 Type F

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water

Typical Physical Characteristics

Shell Donax TX Typical Properties		
Properties	Test Method	Results
Kinematic Viscosity @40° C cSt @100° C cSt	ASTM D-445	33.7 7.1
Viscosity Index	ASTM D-2270	181
Specific Gravity at 16°C	ASTM D-287	0.85
Flash Point COC (°C)	ASTM D-92	212
Pour Point (°C)	ISO 3016	-51

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.



GEARPLUS® SAE 80W-90 GL-5 GEAR LUBRICANT

Sure Protection For Vehicles Under A Broad Range Of Conditions

PRODUCT DESCRIPTION

PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 GEAR LUBRICANT, formerly known as Multi-purpose 4096 80W-90, exceeds the latest requirements of gear manufacturers requiring API GL-5 lubricants. It is recommended for use in limited slip and conventional differentials of cars, pick up trucks and sports utility vehicles. It is designed to reduce or eliminate "chatter" that can sometimes occur in limited slip differentials. High-speed shock loads, higher torque requirements for extended periods of time and high operating temperatures call for heavy-duty quality lubricants of this caliber.

PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 GEAR LUBRICANT is fortified with extreme pressure additives for tough protection under severe operating conditions. It contains rust and corrosion inhibitors to protect against the effects of moisture from condensation. Effective foam inhibitors prevent foaming and aeration that can lead to premature wear. PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 GEAR LUBRICANT is a fully balanced, robust formulation for optimum axles and transmission protection.

PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 gives the full protection of SAE 90 under high temperatures and hard driving conditions, while still providing the fast flow characteristics of SAE 80W when cold. This offers maximum lubrication and gear protection over a wide temperature range.

APPLICATION

PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 is recommended for use in hypoid or spiral bevel gear differentials and manual transmissions where an API Service GL-5 lubricant and an SAE 80W, 90 or 80W-90 viscosity grade is specified. In addition, PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 is fully formulated for all limited slip differentials. It may be used as a makeup or refill fluid, even for rebuilt limited slip units and is designed for all high performance hypoid axles of cars, pick up trucks, sports utility vehicles as well as sports, police and racing cars. It is also recommended for conventional differentials.

BENEFITS

- Exceeds requirements of API GL-5
- Outstanding gear and bearing protection
- Suitable for all limited slip applications
- · Combats rust and corrosion
- Inhibits oil oxidation
- Provides outstanding anti-foam protection
- Compatible with other gear oils under a wide range of operating and storage conditions

September, 2004 Stock # 24346

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® GEARPLUS® SAE 80W-90 GL-5 GEAR LUBRICANT

TEST	METHOD	TYPICAL RESULTS
SAE Grade		80W-90
API Service		GL-5
Gravity, °API	ASTM D-287	26
Viscosity		
@ 40°C, cSt	ASTM D-2161 & D-445	150
@ 100°C, cSt		14.5
@ 100°F, SUS		700
@ 210°F, SUS		76
Viscosity Index		95
Brookfield Viscosity	ASTM D-2983	
@ 150,000 cP, °-26C(°-15F)		<130,000
Pour Point, °C(°F)	ASTM D-97	-26(-15)
Flash Point, °C(°F)	ASTM D-92	204(400)
Color, ASTM	ASTM D-1500	5
Timken OK Load, lbs.	ASTM D-2782	70
Material Number		
12/1 Quart		4963
35 Pound Plastic Pail		4964
120 Pound Drum		4965
400 Pound Drum		4966

September, 2004 Stock # 24346





Shell Spirax® ASX SAE 80W-140

High performance, synthetic transmission and axle fluid

Shell Spirax ASX SAE 80W-140 is a fully synthetic, multipurpose, heavy-duty gear lubricant specifically designed for heavy duty, differentials that call for an API GL-5 type product.

Applications

- heavy duty differentials
- all applications normally lubricated by automotive gear oil such as rear wheel bearings, manual steering gears and universal joints calling for an SAE 80W-140 grade
- transfer cases for automobiles, light and heavy-duty trucks, farm equipment and heavy construction equipment calling for SAE 80W-140 or 85W-140 grades
- industrial gear applications where extreme pressure oils with excellent low and high temperature properties are required
- differentials used in conjunction with Eaton and Meritor extended warranties calling for an SAE 80W-140 grade
- manual transmissions where the manufacturer specifies a GL-5 oil of SAE 80W-140 or 85W-140 grades.

NOTE: For optimum performance, mineral oil lubricants should be drained before using Shell Spirax ASX SAE 80W-140. Mixing with other products may reduce its effectiveness and field performance

Performance Features and Benefits

 outstanding thermal stability especially in applications where heat, wear and extended drain intervals contribute to severe service

- high film strength and excellent shear stability
- excellent low temperature properties promotes oil flow to help protect gears and bearings even at sub-zero temperatures
- synthetic formula provides maximum protection over a wide range of temperatures
- separates readily from water
- compatible with other MIL-L-2105D or MIL- PRF-2105E quality gear lubricants

Specification and Approvals

- API Classifications GL-5 and MT-1
- Dana Specification SHAES 429 Rev. A
- Mack GO-J
- ArvinMeritor Specification O76-B (standard drain), O76-M (extended drain)
- General Electric D50E9C
- Harnischfeger (P&H) 474
- MIL-PRF-2105E
- International Truck and Engine TMS 6816
- Two industry standards for demulsibility -- U.S. Steel Specification 224, and the American Gear Manufacturers (AGMA) Standard 250.03

Technical Data Sheet

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell representative.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet that can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water

Typical Physical Characteristics

Typical Properties of Shell Spirax ASX		
	Test Methods	SAE Grade
		80W-140
Product Code		59227
Gravity, °API	D 287	23.6
Viscosity:		
@ 40°C, cSt	D 445	271
@ 100°C, cSt	D 445	30.5
@ -18°C, cP	D 2983	20500
@ -26°C, cP	D 2983	<i>7</i> 5000
@ -40°C, cP	D 2983	
Viscosity Index	D 2270	146
Flash Point, °C (°F)	D 92	201 (395)
Pour Point, °C (°F)	D 97	< -40 (< -40)
Timken, OK Load	D 2509	85
FZG Gear Test		12

These characteristics are typical of current production. While future production will conform to Shell specification, variations in these characteristics may occur. The information contained herein is subject to change without notice.

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at http://www.shell.com/us/lubricants. For technical assistance, please call 1-800-771-6950. For orders and other inquiries, please call 1+800-468-6457 (Distributors) or 1-800-840-5777 (Customers).

Technical Data Sheet



Pennzoil® Dexron®-VI

Automatic Transmission Lubricant

PENNZOIL® Dexron®-VI Automatic Transmission Fluid is an exceptional automatic transmission fluid approved by General Motors for use in vehicles with automatic transmissions. It is specially formulated to provide twice the service life of a Dexron®-III,H) ATF and offers enhanced performance for both new and older transmissions. It is designed to protect transmissions through improved oxidation resistance, friction durability, shear stability and wear protection to help meet warranty protection requirements in late model vehicles.

Applications

PENNZOIL® Dexron®-VI Automatic Transmission Fluid is recommended for all 2006 and beyond GM vehicles with Hydra-Matic automatic transmissions. It is fully back serviceable for Dexron®-III (H), III and IIE applications. Meets GM specification GMN10060. Always consult your vehicle owner's manual for specific recommendation.

Performance Features and Benefits

- Extended fluid life vs. Dexron®-III (H) ATF and helps extend the life of the transmission
- Outstanding resistance against sludge and deposit formation
- Improved oxidation and thermal stability vs. Dexron®-III (H) ATF
- Superior anti-wear protection vs. Dexron®-III
 (H) ATF
- Outstanding low temperature fluidity
- Enhanced foam control which maintains responsive shifts and reduces wear on bearings, bushing and gears

- Helps prevent clutch shudder in modulated torque converters
- Improved torque transfer vs. Dexron®-III (H) ATF
- Improved shear stability vs. Dexron®-III (H)
 ATF

Specifications and Approvals

- PENNZOIL® Dexron®-VI Automatic Transmission Fluid is recommended for all 2006 and beyond GM vehicles with Hydra-Matic automatic transmissions.
- PENNZOIL® Dexron®-VI Automatic Transmission Fluid meets GM specification GMN10060

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

D	7 , 14 ,1 1	T : In 6
Property	Test Method	Typical Results
Density, kg/l @ 15°C	ASTM D4052	0.846
Kinematic Viscosity		
cSt @ 40°C	ASTM D-445	29.8
cSt @ 100°C	ASTM D-445	6.0
Viscosity Index	ASTM D2270	151
Total Base No.	ASTM D2896	2.0
Flash Point °C / °F	ASTM D92	206 / 403
Brookfield Viscosity		
cSt @ -20°C	ASTM D2983	1,053
cSt @ -30°C		3,164
cSt @ -40°C		12,030
Pour Point °C / °F	ASTM D97	-54 / -65
Sulphated Ash, % wt	ASTM D874	0.02
Color	-	Red

These characteristics are typical of current production. While future production will conform to SOPUS Products specifications, variations in these characteristics may occur.

Dexron® is a registered trademark of General Motors Corporation.



LONG-LIFE® GOLD HEAVY DUTY ENGINE OIL

Premium Motor Oil For Heavy-Duty Diesel and Gasoline Engines

PRODUCT DESCRIPTION

PENNZOIL® LONG-LIFE® GOLD is a premium heavy duty engine oil with a formulation that exceeds the stringent performance requirements of the new API CJ-4 service category for 2007 diesel engines PENNZOIL® LONG-LIFE® GOLD also provides excellent quality for diesel engines built prior to 2007 and in both on-and off-highway applications

PENNZOIL® LONG-LIFE® GOLD SAE 15W-40 is formulated to deliver protection to diesel engine and helps provide long life for engines as it:

- Protects against all forms of wear
- Resists high temperature breakdown due to excellent oxidation stability
- Provides outstanding soot control
- Will not shear out-of-grade, even in the most stressful conditions due to outstanding shearstability
- Protects moving parts while it helps to maximize engine performance and maintain fuel econcomy.

PENNZOIL® LONG-LIFE® GOLD HEAVY DUTY ENGINE OIL has been tested and proven effective in all kinds of engines, including Caterpillar, Cummins, Detroit Diesel, , Mack, Mercedes-Benz, International, Volvo, as well as others. Pennzoil Long-Life® Gold helps extend the life of virtually all diesel engines..

APPLICATION

PENNZOIL® LONG-LIFE® GOLD HEAVY DUTY ENGINE OIL is truly a universal oil. It is recommended for use in on- and off-highway medium and heavy duty diesel vehicles built prior to 2007 and models built from 2007.

PENNZOIL® LONG-LIFE® GOLD meets or exceeds the performance requirements of the following diesel engine manufacturers: Caterpillar, Cummins, Detroit Diesel, International, Mack, Mercedes, Volvo, as well as others. PENNZOIL® LONG-LIFE® GOLD also meets or exceeds the performance requirements of the following gasoline engine manufacturers: Daimler-Chrysler, Ford, and General Motors. PENNZOIL® LONG-LIFE® GOLD HEAVY DUTY MULTIGRADE ENGINE OIL is recommended wherever engine manufacturers specify the use of an engine oil meeting API Service Classification CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF and SM / SL / SJ, or any combination of these. Always refer to the vehicle owner's manual for the correct viscosity choice.

BENEFITS

- Helps extend engine life
- · Provides a shield against all forms of wear
- Helps maintain fuel economy
- Helps reduce oil consumption
- Outstanding soot control
- Consistent oil pressure for thorough engine lubrication
- · Recommended for both diesel and gasoline engines single line of motor oils for mixed fleets
- Recommended for engines incorporating Exhaust Gas Recirculation (EGR)
- · Recommended for turbocharged diesel engines
- Minimizes piston and combustion chamber deposits
- Fights sludge and varnish
- Effectively neutralizes acids to help keep corrosive wear to a minimum
- · Contains anti-wear and anti-scuff agents
- Meets requirement of Diesel Particulate Filters.

PERFORMANCE SPECIFICATIONS

Meets or exceed the performance requirements of:

- API	CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF/ SM, SL, SJ
- ACEA	E7 ¹
 Caterpillar 	ECF-3, ECF-2
- Cummins	CES 20081 ¹
 Detroit Diesel 	93K218 ¹ , 7SE270 ¹
- Deutz	DQC III-05 ¹
Mack	EO-O Premium Plus 2007
- MAN	M3275 ¹
- Mercedes-Benz	228.3 ¹ , 228.31 ¹
- MTU	Category 2 ¹
- Volvo	VDS-4 ^{1,} VDS-3 ¹
 Renault Trucks 	RLD-3 ¹

¹ SAE 15W-40 only

HEALTH AND SAFETY

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Do not discharge into drains, soil or water

Typical Physical Characteristics

Typical Properties of Pennzoil® Long-Life® Gold

	Test Method	SAE	E Grade
		15W-40	10W-30
Gravity, °API	D 1298	29.2	29.0
Viscosity			
@ 40°C, cSt	D 445	118	80
@ 100°C, cSt	D 445	15.5	12.0
Viscosity Index	D 2270	139	144
Flash Point, °F	D 92	400 min.	400 min.
Pour Point, °F	D 97	-25	-23
Neutralization No.TBN-E	D 2896	10.6	10.6
Sulfated Ash, %wt	D 874	1.0 max.	1.0 max.

These characteristics are typical of current production. While future production will conform to Pennzoil's specification, variations in these characteristics may occur.



Lubricants Report



Product Data Sheet from Shell Lubricants

PDS# 1.09.11

NAUTILUS® PREMIUM OUTBOARD MOTOR OIL

PRODUCT LINE

Shell Canada, for years the proven lubricants leader in all two cycle, water cooled outboard engines with: **Nautilus, now introduces a new** formulation that goes beyond the latest TC-W3 performance standard issued by the NMMA to improve outboard engine life. **Nautilus** is designed to meet all outboard engine manufactures performance requirements for pre-mix, direct oil injection, and newer generation direct injection two cycle engines.

APPLICATIONS

The last decade has seen a gradual increase in the average horsepower produced by outboard engines, the introduction of fuel and lubricant injection systems, the phasing out of leaded fuels along with trends to higher fuel to oil ratios. More recently, new challenges such as smoke emissions and environmental concerns have come to the forefront. In addition, today's outboard engines must be able to withstand the effects of higher speed and much higher temperatures.

In response to the needs of outboard engine manufacturers, the NMMA defined the TC-W3 standard of performance. This standard, is designed to increase the quality of lubricants available to the industry and the public. This new standard of quality will result in longer, trouble-free engine life by offering vastly improved lubricity and anti-scuffing protection over the former TC-W II specification. In addition, superior dispersants ensure peak engine performance by keeping pistons clean and free of deposits.

Nautilus is formulated and tested to exceed the NMMA TC-W3 standard. To the boating enthusiasts, Nautilus provides the ultimate in protection and performance in all water cooled, two cycle outboard engines.

PERFORMANCE BENEFITS

- National Marine Manufacturers Association (NMMA) Approval Nautilus has exceeded the recertification requirements of the severe TC-W3 standard.
- Meets All Major Outboard Engine Manufacturers Recommendations Nautilus is specifically designed to meet the requirements of all major outboard engine manufacturers and provides performance demanded in their "own brand" TC-W3 oil. In addition, it meets the requirements of all other manufacturers requiring TC-W; TC-W II or TC-W3 quality lubricant. Nautilus is recommended for use in outboard engines manufactured by:
 - Bombardier (formerly O.M.C.) the manufacturers of Johnson and Evinrude
 - Mercury Marine
 - Yamaha
 - Suzuki
 - Nissan
- Low Aquatic Toxicity Through the use of unique additive chemistry Nautilus has proven to be more environmentally
 friendly than most other 2 cycle motor oils.
- Reduced Spark Plug Fouling and Preignition Its state of the art "ashless" formulation minimizes the combustion chamber deposits which cause spark plug fouling and preignition.
- Reduced deposits result in enhanced performance and durability of the engine while eliminating the risk of preignitioninduced engine damage.

- Minimized Piston Deposits Superior dispersants enable the oil to help keep pistons clean and avoid ring sticking to ensure peak performance engine operation and lower maintenance costs.
- Improved Lubricity/Scuffing Protection With its exclusive chemistry, Nautilus provides exceptional lubrication protection at higher temperatures in today's high powered, hard working outboard engines.
- Superior Rust Protection Superb anti-rust additives help prevent rusting of critical engine parts during operation and storage for longer engine life.
- Designed to Perform with Unleaded Fuels at Fuel to Oil Ratios up to 100:1 Proven Shell performance when used in accordance with manufacturers recommended lubrication practices.
- Reduced Smoke Emissions New Nautilus formulation responds to environmental concerns shared by all boating enthusiasts, by meeting the latest JASO FC smoke emission standard.
- Blends Easily and Stays Mixed in Cold Temperatures It exceeds the requirements of an SAE FM 4 at -40°C for outstanding lubrication protection.
- Compatibility Nautilus is fully compatible with all other TC-W3 and TC-W II lubricants to eliminate any risk of operating mishaps.
- Dyed Blue for Pre-mix Systems Nautilus contains an easily seen blue dye as a safety check if it's blue it's blended.

TYPICAL PROPERTIES

Product Code	427-531	ASTM METHOD
API Rating	TC	-
NMMA Rating	TC-W3	-
SAE Fluidity/Miscibility grade	FM 4	-
Density @ 15°C kg/m³	863	D 1298
Colour	Blue	Visual
Pour Point, °C	-48	D 97
Flash Point PMCC, °C min.	65	D 93
Viscosity - cSt @ 40°C, mm²/s - cSt @ 100°C,mm²/s	33.1 6.8	D 445 D 445
Brookfield @ -40°C, mPa.s	12,354	D 2983
Neutralization Value - TBNe,mg KOH/g	9.3	D 2896

<u>Visit</u> your nearest Shell Associate or 90 Reseller for more details.

Need more product information? Please the <u>Shell Helps Centre Technical Desk</u> at 1-800-661-1600 or e-mail us at <u>questions@shell.com</u>

MSDS requests? Please call 1(403)691-2615 or fax your request to 1(403)691-3321.

*Trademarks of Shell Canada Limited. Used under license by Shell Canada Products.

- TC-W II and TC-W3 are registered trademarks of the National Marine Manufacturers Association.
 - ** TC-W is a registered trademark of the Boating Industry Association.



Shell Spirax® ASX R SAE 75W-90

High performance, synthetic axle fluid meeting Roadranger SHAES 256 Rev C specifications with enhanced fuel efficiency.

Shell Spirax ASX R SAE 75W-90 is a fuel-efficient, axle fluid, designed to provide ultimate protection to the latest heavy-duty axles that call for an API GL-5 type product. Specially formulated with synthetic base oils and additive technology that provide improved lubrication of the drive train, lowers the operating temperature and helps promote longer life for the equipment. Shell Spirax ASX R SAE 75W-90 is capable of extended oil drain and is approved by several OEMs for their extended drain specifications. Standard industry and commercial fleet testing have demonstrated a fuel efficiency improvement of over 1% when compared to several products in the same application.

Applications

Drive Axles in heavy duty on-highway trucks
 Heavy duty axles and other applications where
 a 75W-90 API GL-5 extreme pressure (EP)
 mineral or synthetic gear oil is recommended.

Note: For Eaton Roadranger Transmissions Use Spirax GSX SAE 50

Performance Features and Benefits

Fuel efficient formulation

Proven fuel efficiencies in both standard industry and commercial fleet testing methods of over 1%.

Longer oil drain capability

Meets the requirements of Dana SHAES 256 Rev C, (500,000 mile oil drains, with warranty for 750,000 miles), which documents the long drain capability of the fuel efficient formulation. Please contact your local Shell representative for more information about extended oil drain intervals.

Longer equipment life

Excellent protection against gear wear and pitting, helps prevent premature failures. Outstanding oxidation resistance also helps prevent damage to seals due to deposit formation.

Less lubricant usage

Excellent static and dynamic seal compatibility that meets or exceeds a number of leading OEM requirements, which helps minimize seal leaks. The extended drain capabilities help maximize oil drain intervals resulting in less overall lubricant usage during the life of the equipment.

Recognized by leading equipment manufacturers

A number of leading equipment manufacturers recognize the benefits of Shell Spirax ASX R SAE 75W-90 and have formally approved it against their specifications.

Specification and Approvals

Shell Spirax ASX R SAE 75W-90	
API	GL-5, MT-1
ArvinMeritor	076-N, 076-E
DANA	SHAES-256 Rev C
International	TMS 6816
US Military	MIL-PRF-2105E / SAE J2360
Mack	GO-J Plus

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell representative.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet that can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water

Typical Physical Characteristics

Shell Spirax ASX R		75W-90
SAE Viscosity Grade	SAE J-306	75W-90
Appearance		Amber
Kinematic Viscosity cSt		
@ 40°C	ASTM D-445	103.0
@100°C		15.0
Viscosity, cP		
@ -40°C	ASTM D-2983	90,000
Viscosity Index	ASTM D-2270	1 <i>5</i> 2
Density @ 15.6°C g/l	ASTM D-1298	891
(lbs/gal., 60°F)		7.42
Flash Point COC °C / (°F)	ASTM D92	215 / (420)
Pour Point °C / (°F)	ASTM D-97	<-45 / (<-49)

These characteristics are typical of current production. While future production will conform to Shell specification, variations in these characteristics may occur. The information contained herein is subject to change without notice.

RFQ No.	
---------	--

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

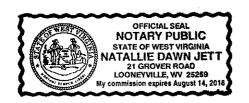
"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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 exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: <u>Haトたら D:\ Co</u>	Inc.
Authorized Signature: Waye Have	Date: 4/20/10
State of West Vinginia	
County of Roaru, to-wit:	
Taken, subscribed, and sworn to before me this 21 st	y of September 2010.
My Commission expires <u>August 14.</u>	, 20 <u>18</u> .
APPLY OF ALLESTER	NOTARY PUBLIC Matallie Dawn Just
AFFIX SEAL HERE	NOTARY PUBLIC / WELLE ALLENTE JOUR



WITNESS THE FOLLOWING SIGNATURE

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

DIVISIO	n will make the determination of the Resident Vendor Preference, if applicable.
1. X	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
<u>2</u>	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
<u>*</u>	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
requirer against	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the nents for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.
authorize the requ	nission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and es the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid ired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information by the Tax Commissioner to be confidential.
and acc	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate is during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
	Harris Oil Co. Inc. signed: Warre Harred
Date:	9/20/10 Title: President

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.