

DATE: 4/21/2016

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00116403

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: _____

BUYER: LFRANCIS

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	7 days APO
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	_____
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	_____

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME:	Reliable Investments LLC
SIGNATURE: (Must be signed here)	TITLE: Principal
PRINT OR TYPE NAME:	ANTHONY OBIAKO
ADDRESS:	9735 26TH AVE SW
CITY, STATE:	SEATTLE WA ZIP: 98106
TELEPHONE:	FAX: 2064364780, 206811612
EMAIL ADDRESS:	Anthony@reliableinvestmentsllc.com

TOTAL PRICE OF ALL BID ITEMS: \$ _____

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00116403

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	DRUM	SUPPLY OF OIL FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS - DRAINAGE 0010 55 gallon drum Valvoline premium blue 15w-40 <i>Spectra Xtreme 15W40</i> Ship to: Bonnabel Pump Station 1500 Beverly Gardens Dr. Metairie La, 70006	\$1,180.00	\$2,360.00
2	2.00	DRUM	0020 55 gallon drum Valvoline Premium Blue 15w-40 <i>Spectra Xtreme 15W40</i> Ship to: Suburban Pump Station 4800 Lake Villa Dr. Metairie, La	\$1,180.00	\$2,360.00
3	2.00	DRUM	0030 55 gallon drums Valvoline Premium Blue 15w-40 <i>Spectra Xtreme 15W40</i> Ship to: Duncan Pump Station 1800 Joe Yenni Blvd Kenner, La 70065 Contact: Cordell Farrar 504-838-4374	\$1,180.00	\$2,360.00

Freight Included

NOTE:

Spectra Xtreme 15w40 is a better product than the Valvoline product. The TBN is higher so it can go more miles on an oil change and it meets and exceeds all of the required specs. See attached Specs.



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000116403 - SUPPLY OF OIL FOR THE JEFFERSON PARISH
DEPARTMENT OF PUBLIC WORKS - DRAINAGE**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

21-Apr-2016 05:21:39 PM

**JEFFERSON PARISH
PURCHASING DEPARTMENT**

Suite 4400, 200 Derbigny Street
Gretna, LA 70053

504-364-2678

FAX 504-364-2693

fax

TO:

FROM: LANIEL L. FRANCIS

FAX: 504.364.2693

DATE: April 21, 2016

PHONE #: 504-364-2690

RE: BID NO. 50-00116403 – SUPPLY OF OIL FOR JEFFERSON PARISH
DEPARTMENT OF PUBLIC WORKS - DRAINAGE

The listed Bid Number will open on April 27, 2016 for 11am.

~~~~~  
**BID INVITATION TO  
FOLLOW:**  
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Pages (4) and (5) must be submitted, in order for the bid submittal to be valid.

Please respond according to the bid instructions.

Thank you for bidding with Jefferson Parish.

DATE: 4/21/2016

INVITATION TO BID
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Page: 1

BID NO.: 50-00116403

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR:

BUYER: LFRANCIS

Bids will be received until 11:00 AM, 4/27/2016 via fax: 504-364-2693 or via online at www.jeffparish.net

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at www.purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Registration forms may be downloaded from www.purchasing.jeffparish.net and clicking on Vendor Information.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A1 17.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only.

Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

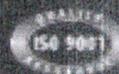
7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicted on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required;** Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required;** Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.



Spectra™ Xtreme CJ-4

Advanced Performance Synthetic Blend Motor Oil
SAE 15W-40, 10W-30



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

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

Specifically Engineered for

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



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

* Always use oil analysis to establish new drain intervals

** SOLUMOL is an oil soluble synthetic molybdenum compound

For Peak Performance, use with Certified Labs System Purge

Meets or Exceeds the Following Performance Requirements:

- API Service Classification: CJ-4, CI-4, CI-4 Plus, CH-4 Plus, CH-4, and SM for gasoline engines
- ACEA E&-04 (2004)
- Allison C-4 (also acceptable for TES-439 applications)
- MIL-PRF-2104G, CID-A-A-52306A, and CID-A-A-52039B
- Mack EO-O Premium Plus 07
- MTU Type 2
- MAN 3275
- Caterpillar ECF-1-A, ECF-2, ECF-3
- Cummins CES 20081
- Renault RVI RLD-3
- Daimler Chrysler MB228.31, MB228.3
- Detroit Diesel PGOS 93K218
- Volvo VDS-4

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

www.certifiedlabs.com © 2013 NCF Corporation

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

CERTIFIED

SPECTRA XTREME Motor Oils contain a total additive package that sets it apart from all other motor oils

Additives

Benefits

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

Physical Properties

TEST	15W-40	10W-30
Specific Gravity (API)	29.7	34
Viscosity, CCS		
cP @ -20 °C, Max	6200	6740
cP @ -15 °C, Max		
Viscosity SUS		
cSt @ 40 °C	105.5	73.81
cSt @ 100 °C	14.1	11.27
Viscosity Index	138	152
Flash Point (°F)	440	450
Pour Point (°F)	-27	-40
ASTM D130 Corrosion	1A	1A
Foam Suppression		
Sequence I	0	0
Sequence II	0	0
Sequence III	0	0
Sulphated Ash, %	1.0	1.0
TBN	13.3	13.3

IDEAL FOR USE:

Compatible with gasoline or diesel engines or combustion engines which have been converted to natural gas.

DO NOT USE:

Not compatible with 2-cycle gasoline engines that mix oil with fuel.



PRODUCT DESCRIPTION:

THIS SYNTHETIC BLEND MOTOR OIL IS A MULTI-GRADE SAE 15W-40 THAT IS COMPATIBLE WITH OTHER SYNTHETIC BLENDS, PURE SYNTHETICS AND PURE MINERAL OIL FORMULATIONS. IT CONTAINS SOLUBLE MOLY. IT CAN BE USED IN BOTH GASOLINE AND DIESEL ENGINES THAT REQUIRE A MULTI-GRADE MOTOR OIL REQUIRING API SERVICE CATEGORY CJ-4/SM, AS WELL AS THE LATEST OEM'S LOW EMISSION ENGINES SUCH AS THE EGR (EXHAUST GAS RECIRCULATION) AND ACERT (ADVANCED COMBUSTION EMISSION REDUCTION TECHNOLOGY). THIS PREMIUM QUALITY PRODUCT HAS BEEN FORMULATED FOR ADVANCED PERFORMANCE AND LONGER MOTOR OIL LIFE. THE PRODUCT CONTAINS ACID NEUTRALIZERS, FRICTION REDUCERS, ANTI-WEAR AGENTS, SHEAR STABILIZERS, VISCOSITY INDEX IMPROVERS, POUR POINT DEPRESSANTS AND MOLY FOR WEAR PROTECTION.

GENERAL USAGE:

WHEN USED WITH AN OIL ANALYSIS PROGRAM THIS PARTIAL SYNTHETIC OIL CAN DOUBLE THE CHANGE INTERVALS AND IF USED WITH AN AUXILIARY FILTER SYSTEM IT CAN TRIPLE THE CHANGE INTERVAL. DIESEL ENGINES REQUIRE OILS WITH MORE ADDITIVES THAN OILS DESIGNED FOR GASOLINE ENGINES SINCE THEY OPERATE UNDER MORE SEVERE CONDITIONS. THIS PRODUCT CAN BE USED IN BOTH GASOLINE AND DIESEL ENGINES BUT THE SPECIAL ADDITIVE PACKAGE MAKES IT ESPECIALLY SUITED TO 2007 AND NEWER DIESEL ENGINES. BEFORE USING THIS PRODUCT, A TOTAL SYSTEM CHANGE-OVER IS RECOMMENDED, INCLUDING A CHANGE OF THE OIL FILTER TO INSURE THERE WILL BE NO CONTAMINATION. CONSULT THE PRODUCT LABEL FOR A FULL LIST OF SPECIFICATIONS THAT THIS PRODUCT MEETS.

READ THE ENTIRE LABEL DIRECTIONS BEFORE USING THIS PRODUCT. REFER TO THE MSDS FOR ALL PHYSICAL PROPERTIES OF THE PRODUCT.

EQUIPMENT:

DRUM PUMP (CODE #8107 OR #8700)

VOC Content (%) 0.7 VOC Content (g/l) 6.0

USDA STATEMENT:

SUITABLE FOR USE AS A NON-FOOD CONTACT LUBRICANT IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS.

THE SYNTHETIC/PETROLEUM DISTILLATE MIXTURE INCREASES
ENGINE EFFICIENCY, REDUCES WEAR AND FRICTION, AND EXTENDS
ENGINE LIFE. SHALL BE AN OIL BLEND WITH AN ADDITIVE PACKAGE
THAT DEFINES THE LATEST ADVANCES IN ADDITIVE TECHNOLOGY.

USES:
SHALL BE FOR USE IN DIESEL OR GASOLINE ENGINES. SHALL
BE COMPATIBLE WITH ALL TYPES OF SEALS. SHALL PROVIDE
EXCELLENT PROTECTION AGAINST THE FORMATION OF HIGH
TEMPERATURE DEPOSITS. SHALL CONTAIN DETERGENTS TO SUPPRESS THE
FORMATION OF SLUDGE, VARNISH, AND DEPOSITS, WHICH INCREASE
ENGINE CLEANLINESS. SHALL HAVE SUPERIOR ANTI FOAM AND
OIL ANTI-CORROSION PROPERTIES. SHALL BE AVAILABLE WITH AN
CAPBILITIES ANALYSIS PROGRAM THAT CAN SHOW EXTENDED OIL DRAIN
AND INTERVALS.

MEETS OR EXCEEDS THE REQUIREMENTS OF THE FOLLOWING OIL CLASSIFICATIONS:

API CJ-4/SM; ACEA A3/B3/E3/E5; ALLIS-CHALMERS; CATERPILLAR, ECF-1 ECF-2 & ECF-3, TO-2;
CUMMINS 20076, 20077, 20072, AND 20078;
DETROIT DIESEL (SERIES 40, 50, 55, 60 AND ALL OTHER FOUR STROKE ENGINES);
DEUTZ; GLOBAL SPECIFICATIN DHD-1; GENERAL MOTORS - ALLISON C-4; J.I. CASE; JCB; JOHN DEERE; KOMATSU; MACK EO-O PREMIUM PLUS; MERCEDES 228.1 AND 228.3;
NAVISTAR INTERNATIONAL; VOLVO VDS-2 AND VDS-3; MIL-PRF-2104G;
VOLKSWAGEN VW 502.00

SPECIAL CHARACTERISTICS:

SPECIFIC GRAVITY	30.5
VISCOSITY, CCS	
cp@-20C, Max	5774
VISCOSITY SUS	
cSt@ 40C	117
cSt@ 100C	14.77
SUS@ 100F	542
SUS@ 210F	77
VISCOSITY INDEX	144
FLASH POINT (F)	440
POUR POINT (F)	-27
ASTM D130 CORROSION	1A