



# Lexington-Fayette Urban County Government

Lexington, Kentucky  
Horse Capital of the World

Division of Central Purchasing

Date of Issue: April 14, 2016

## INVITATION TO BID #51-2016 Motor Oil 15w40

**Bid Opening Date:** April 28, 2016

**Bid Opening Time:** 2:00 PM

**Address:** 200 East Main Street, 3<sup>rd</sup> Floor, Room 338, Lexington, Kentucky 40507

**Type of Bid:** Price Contract

**Pre Bid Meeting:** N/A

**Pre Bid Time:** N/A

**Address:** N/A

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **04/28/2016**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

**Division of Central Purchasing  
200 East Main Street, Room 338  
Lexington, KY 40507, (859) 258-3320**

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. **Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.** All bids must be signed and have the company name and address, bid invitation number, and the name of the bid on the outside of the envelope.

Bids are to include all shipping costs to the point of delivery located at: 669 Byrd Thurman Drive, Lexington KY

**Bid Security Required:**  Yes  No *Cashier Check, Certified Check, Bid Bond (Personal checks and company checks will not be acceptable).*

**Performance Bond Required:**  Yes  No

<input checked="" type="checkbox"/> Bid Specifications Met	<b>Check One:</b> ____ Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i>	<b>Proposed Delivery:</b> 2-4 days after acceptance of bid.
<b>Procurement Card Usage</b> —The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Submitted by: Woodford Oil Company  
*Firm Name*

650 David Ave  
*Address*

Danville, Ky 40422  
*City, State & Zip*

**Bid must be signed:** Dwayne Dowsley  
*(original signature)* **Signature of Authorized Company Representative – Title**

Dwayne Dowsley  
*Representative's Name (Typed or printed)*

859-236-6071 ext 1502 859-236-0503  
*Area Code - Phone - Extension Fax #*

dowsley@woodfordoil.com  
*E-Mail Address*

**The Affidavit in this bid must be completed before your firm can be considered for award of this contract.**



**AFFIDAVIT**

Comes the Affiant, Dwayne Owsley, and after being first duly sworn under penalty of perjury as follows:

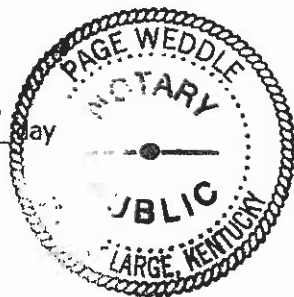
1. His/her name is Dwayne Owsley and he/she is the individual submitting the bid or is the authorized representative of Woodford Oil Company the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught. DWAYNE OWSELY

STATE OF Ky

COUNTY OF Boyle

The foregoing instrument was subscribed, sworn to and acknowledged before me by Page Weddle on this the 28<sup>th</sup> day of April, 2016.



**AUGUST 15, 2016**

My Commission expires: \_\_\_\_\_

Page Weddle  
NOTARY PUBLIC, STATE AT LARGE

**Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.**



## **I. GREEN PROCUREMENT**

### **A. ENERGY**

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to [www.Energystar.gov](http://www.Energystar.gov)). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

#### Key Benefits

These products use 25 to 50% less energy  
Reduced energy costs without compromising quality or performance  
Reduced air pollution because fewer fossil fuels are burned  
Significant return on Investment  
Extended product life and decreased maintenance

### **B. GREEN SEAL CERTIFIED PRODUCTS**

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to [www.Greenseal.org](http://www.Greenseal.org) to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

### **C. GREEN COMMUNITY**

**The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.**

**If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?**

Yes  No



## EQUAL OPPORTUNITY AGREEMENT

### The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that It is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

*The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.*

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

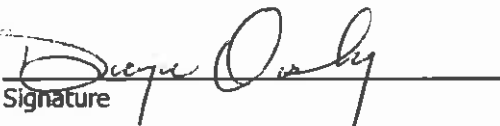
*The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*

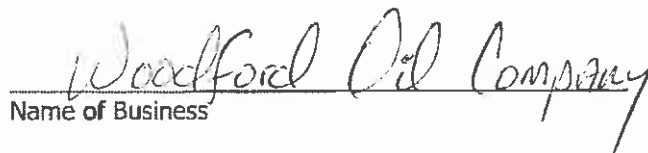
The Lexington-Fayette Urban County Government practices Equal Opportunity In recruiting, hiring and promoting. It is the Government's Intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

### Bidders

*I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, veteran status, disability and age.*

  
Signature

  
Name of Business





## GENERAL PROVISIONS OF BID CONTRACT

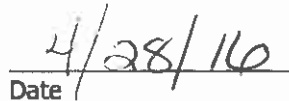
By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good.
2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
3. Addenda: All addenda, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.
12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.



13. **Assignment of Contract:** The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
16. **Governing Law:** This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
17. **Ability to Meet Obligations:** Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
18. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.
19. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.

  
Signature

  
Date



## 1.0 SCOPE OF BID

- 1.1 This specification describes the minimum requirements for a premium quality 15W-40 motor oil suitable for use in a mixed fleet of gasoline and diesel engines and a premium quality 15W-40 motor oil specifically approved for use in Cummins Westport compressed natural gas (CNG) engines.

## 2.0 REQUIREMENTS

- 2.1 Motor oil shall be premium quality, suitable for use in a mixed fleet of gasoline, heavy duty turbocharged and supercharged diesel, and compressed natural gas (CNG) engines.
- 2.2 Product bid for 15W-40 must have an API Service Rating of CJ-4 and appear on the Mack Trucks Approved EO-O Premium Plus List dated 2/2015<sup>1</sup>. **NO EXCEPTIONS.**
- 2.3 Product bid for 15W-40 CNG oil must appear on the *current* Cummins oil registration list "Cummins Engineering Standards – 20074"<sup>2</sup>. **NO EXCEPTIONS.**
- 2.4 Product shall be virgin material, packaged, marketed, and labeled by the original manufacturer. No recycled, re-refined, rebranded or remarketed products will be accepted.
- 2.5 Successful bidder shall supply tank label as to product type, brand, weight, etc. SDS sheets shall also be supplied.

## 3.0 NOTES

- 3.1 LFUCG Fleet Service has one (1) 1000 gallon tank for 15W-40 motor oil. Bulk oil purchases are typically 750 gallons. Fleet Service and other divisions of government may require some product in one gallon and 55 gallon containers.
- 3.2 LFUCG Fleet Service purchases 15W-40 CNG oil in 55 gallon drums.
- 3.3 LFUCG Fleet Service estimates requiring approximately 7,000 gallons of oil (aggregate) per year, however the issuance of a price contract does not guarantee any quantity or amount nor does it obligate the LFUCG for any purchases.
- 3.4 In the interest of product availability, LFUCG reserves the right to issue price contracts to multiple bidders.

## 4.0 DELIVERY

- 4.1 Bid price shall include delivery to requesting division's location and/or tank. Majority of product will be in bulk and delivered to one thousand gallon tank located at the Division of Fleet Service facility located at 669 Byrd Thurman Dr. Lexington, Ky. 40510.

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<sup>1</sup> <https://macktrucks.vg-e-media.com/ProductDetail.aspx?ProductId=12068>

<sup>2</sup> [https://quickserve.cummins.com/qs3/qsol/service/serviceproducts/oil\\_registration\\_20074.html](https://quickserve.cummins.com/qs3/qsol/service/serviceproducts/oil_registration_20074.html)



5.0 PRICING

15W-40 motor oil

Manufacturer/Product Description: Chevron Ursa Super Plus EC 15W40

1 gallon jug.....price per gallon \$ 7.60 gal.

55 gallon drum.....price per gallon \$ 5.94 gallon

Bulk purchase.....price per gallon \$ 5.22 gallon

15W-40 CNG motor oil

Manufacturer/Product Description: Chevron Delo 400 Nat Gas  
15W40

55 gallon drum.....price per gallon \$ 8.90 gallon

Note - this product is also available in case type package if your interested.

1 gallon jug - price per gallon \$10.85 gallon.







# URSA<sup>®</sup> SUPER PLUS EC

## SAE 15W-40

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### PRODUCT DESCRIPTION

Ursa<sup>®</sup> Super Plus EC SAE 15W-40 is a mixed fleet motor oil recommended for all naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CJ-4 service category and SAE 15W-40 viscosity grade are recommended.

### CUSTOMER BENEFITS

Ursa Super Plus EC SAE 15W-40 is an API CJ-4 heavy duty engine oil specifically formulated for 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems and calling for SAE 15W-40 heavy duty motor oil. It is fully compatible with previous engine models and previous API Oil Service Categories.

It delivers value through:

- **Minimized operating costs** — Disperses soot and controls wear. Cylinders, pistons, rings, and valve train components are well protected against wear and corrosion, providing optimum service life and minimal maintenance. Contributes to optimal vehicle utilization and minimal downtime.
- **Long emission control system life** — Provides optimum Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus managing your maintenance costs.
- **Managed inventory costs** — Backward compatible with all previous API Oil Service Categories and engine models. Good for services in four-stroke gasoline and naturally aspirated turbocharged and modern electronically controlled/low emission diesel engines calling for an SAE 15W-40 heavy duty motor oil. Allows users with a wide mix of engine brands to enjoy simplified inventory and dispensing systems that may

contribute to saving money, space and handling time.

- **Access to Chevron's lubrication and industry knowledge** — Help maximize your bottom line business results.

### FEATURES

Ursa Super Plus EC SAE 15W-40 is a quality, mixed fleet heavy duty motor oil manufactured using selected high viscosity index base oils and additives that protect against sludge, varnish, deposits, wear, oxidation, foam, corrosion, and rust.

Ursa Super Plus EC SAE 15W-40 helps minimize deposit buildup resulting from high temperature engine operation (especially in the piston and ring area), combats varnish formation, and helps keep vital engine parts clean.

It also protects against corrosion and resists oxidation at high temperatures.

Ursa Super Plus EC SAE 15W-40 meets the most stringent EGR soot control and particulate requirements.

### FUNCTIONS

Ursa Super Plus EC SAE 15W-40 helps keep rings clean and free for maximum combustion pressure and low oil consumption. It helps minimize valve and piston crown land deposits. Its high level of ashless dispersants keeps fuel soot in suspension and helps avoid filter plugging, heavy cylinder head sludge, abrasive polishing wear, high viscosity increase, and oil gelling. These problems can result in excessive engine wear and bearing failure on startup, without prior indication to the operator.

Specially selected oxidation inhibitors control oxidation, sludge, and undue thickening during oil drain periods.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

29 June 2015  
HDMO-95

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## APPLICATIONS

Ursa® Super Plus EC SAE 15W-40 is a mixed fleet motor oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CJ-4 service category and SAE 15W-40 viscosity grade are recommended. It is formulated for engines operating under severe service and a wide range of climatic conditions.

Ursa Super Plus EC SAE 15W-40 is excellent for use in new advanced engines developed in response to 2010 emissions standards.

This product is recommended for use in Caterpillar engines in off-highway or construction applications which require an API CJ-4 Service Category.

Ursa Super Plus EC SAE 15W-40 is approved for:

- **API Service Categories** CJ-4, CI-4 PLUS, CI-4, SM
- **Cummins** CES 20081
- **DDC** Power Guard 93K218
- **Mack** EO-O Premium Plus
- **Volvo** VDS-4

Ursa Super Plus EC SAE 15W-40 meets the requirements of:

- **Caterpillar** ECF-3, ECF-2

## TYPICAL TEST DATA

SAE Grade	15W-40
Product Number	271201
SDS Number	23584
Density at 15°C, kg/L	0.8806
Viscosity, Kinematic mm <sup>2</sup> /s at 40°C mm <sup>2</sup> /s at 100°C	118 15.4
Viscosity, Cold Crank, °C/mPa.s	-20/6400
Viscosity Index	137
Flash Point, °C(°F)	> 215(419)
Pour Point, °C(°F)	-32(-26)
Sulfated Ash, mass %	1.0
Base Number, ASTM D2896, mgKOH/g	8
Phosphorus, mass %	0.12
Zinc, mass %	0.13

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

29 June 2015  
HDMO-95





# DELO® 400 NG

## SAE 15W-40

### PRODUCT DESCRIPTION

"Delo. Let's go further.®"

Delo® 400 NG with ISOSYN® Technology is a premium CNG/LNG oil formulated to deliver outstanding protection and long drain performance in a wide variety of compressed natural gas (CNG), liquefied natural gas (LNG) and liquefied petroleum gas (LPG) engine applications. It has demonstrated excellent field performance in a variety of operations and has the capability to help customers minimize operating costs in CNG/LNG engines of municipal bus service, Linehaul and delivery truck service, waste truck operations and off road equipment.

### CUSTOMER BENEFITS

Key benefits of Delo 400 NG SAE 15W-40 include:

- **Alternative fuel performance:** Delivers great performance for medium and heavy duty vehicles using CNG, LNG or LPG.
- **Excellent engine cleanliness** — Excellent ratings for sludge control; and valve, or piston deposits in field trials and engine tests.
- **Superb oil oxidation/nitration control** — Minimal main or connecting rod bearing corrosion
- **Low wear performance:** Offers excellent tappet and liner wear performance in alternative fuel engines.
- **Extended oil drain performance:** Delivers long drain performance protection despite higher stress of CNG combustion<sup>1</sup>
- **Warranty Plus protection** — warranty protection provided for CNG/LNG engines using Delo 400 NG<sup>2</sup>
- **Access to Chevron's lubrication and industry knowledge** — Helps maximize your bottom line business results.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A Chevron company product

28 April 2014  
HDMO-35

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### FEATURES

Delo 400 NG is formulated with Chevron's ISOSYN Technology which incorporates premium base oils, shear stable viscosity modifier and a low ash additive package specially formulated for long service in spark and pilot diesel injection ignited, CNG/LNG engines in stressful, high temperature conditions.

**ISOSYN**  
TECHNOLOGY®

In heavy duty natural gas vehicles, Delo 400 NG:

- Promotes engine reliability and durability through exceptional wear protection
- Minimizes valve recession and deposits
- Helps minimize oil consumption

### APPLICATIONS

Delo 400 NG SAE 15W-40 can be used in various applications as follows:

- LNG/CNG Linehaul truck service
- LNG/CNG Delivery truck service
- LNG/CNG Waste truck service
- LNG/CNG Cement truck service
- LNG/CNG Oil Field truck servicing
- CNG Municipal Bus Service
- Light Duty CNG pick-up trucks

1 Chevron has successfully tested Delo 400 NG SAE 15W-40 in Cummins ISL G series CNG engines in severe delivery truck service and has achieved oil drain intervals of 33% longer than the Cummins recommended drain interval for this engine in this service. Chevron recommends always following OEM specified oil drain intervals.

2 See Warranty Plus for details and limitations.



The types of CNG/LNG engine models that Delo® 400 NG will provide maximum performance protection include:

- Cummins B5.9G
- Cummins C8.3G
- Cummins ISL G (8.9L)
- Cummins ISX12 G
- Cummins ISX15 G
- Detroit Diesel Series 50G
- Detroit Diesel Series 60G
- Navistar LNG Maxxforce® DT 7.6L
- Navistar LNG Maxxforce 13L

**APPROVALS**

Delo 400 NG is recommended for engines in medium and heavy duty vehicles fueled by CNG, LNG or LPG.

Delo 400 NG is approved for:

- **Cummins CES 20074 natural gas engine oil specification**
- **Detroit Diesel 93K216 mobile gas engine oil specification**

And is suitable for use under:

- MB 226.9
- Volvo CNG
- Mack CNG
- Renault RGD
- Isuzu CNG
- Hino CNG
- Hyundai CNG

**TYPICAL TEST DATA**

<b>SAE Grade</b>	<b>15W-40</b>
<i>Product Number</i>	222221
<i>SDS Number</i>	31888
Density at 15°C, kg/L	0.876
Viscosity, Kinematic cSt at 40°C cSt at 100°C	126 15.8
Viscosity Index	132
Viscosity, Cold Crank °C/Poise	-20/66
Flash Point, °C(°F)	230(446)
Pour Point, °C(°F)	-27(-17)
Sulfated Ash, wt %	0.85
Acid Number, ASTM D664	1.9
Base Number, ASTM D2896	6.1
Base Number, ASTM D4739	5.1
Phosphorus, ppm	800
Zinc, ppm	880

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.





## **MACK EO-O Premium Plus Approved Engine Oils**

**Note:** All the oils listed in the following table meet the VDS-4 standard. They also meet VDS-2, VDS-3, EO-N Premium Plus and API CJ-4 quality standards. Oil from this list is **REQUIRED** for model year 2007 and later MACK engines and are recommended for earlier engines.

<b>Supplier</b>	<b>Brand Name</b>	<b>Viscosity Grade</b>
<b>MACK Trucks, Inc.</b>	<b>MACK Bulldog EO-O Premium Plus</b>	<b>10W-30</b>
	<b>MACK Bulldog EO-O Premium Plus</b>	<b>15W-40</b>
49 North Lubricants	Premium Plus 7000	15W-40
ACT GmbH	VOLTRONIC Motoroil 10W40 TSLA	10W-40
Addinol Lube Oil GmbH	Addinol Professional 1540 E9	15W-40
ADNOC Distribution	ADNOC Voyager Ultra	15W-40
AD Parts SL	AD ZTD	15W-40
Advanced Lubrication Specialities, Inc.	Advantage CJ-4 Premium Plus	15W-40
	Advantage HD Premium Synthetic	5W-40
	Advantage Premium Plus	10W-30
Agro Oil	Agrol Evo Truck	15W-40
AIOD (Association of Independent Oil Distributors)	PURUS Full Synthetic	5W-40
	PURUS Synthetic Blend	15W-40
	PURUS Synthetic Blend	10W-30
Allegheny Petroleum Products Company	Altra Fleet	15W-40
	Altra EC Fleet	15W-40
Allied Oil and Tyre Company	Syn TX	15W-40
Amalie Oil Company	Amalie XLO Ultimate Full Synthetic	5W-40
	Amalie XLO Ultimate Synthetic Blend	15W-40
	Rallye Maximum Duty-Plus	15W-40
	U.S. Lubricants Maximum Duty-Plus	15W-40
	Wolf's Head Extreme Duty Synthetic Blend	15W-40
	Xcel Maximum Duty-Plus	15W-40
American Refining Group, Inc.	Brad Penn H.D. Premium Plus	15W-40
	Brad Penn H.D.	10W-30
Amsoil Inc	DEO	5W-40
Aral Mineralöl AG	MegaTurboral VR	10W-40
	Aral Turboral VR	15W-40
	Aral Mega Turboral LA	10W-40
Aseol Suisse AG	Asetruck LA-UM	10W-40
	Asetruck LA-ECO	5W-30
Astris SA	Astris LA-MD	10W-40
	Astris Diesel Syntheco	5W-30

Supplier	Brand Name	Viscosity Grade
Atlantic Lubricants Pty Ltd.	Pro Diesel	15W-40
Avia Genossenschaft Schmierstoffe	Avia Multi CJ-4/SN	10W-40
AVIA Mineralol AG	AVIA Turbosynth LS Plus 5W-30	5W-30
Bahrain Petroleum Company	Frontier Megatek	10W-40
Bardahl de Mexico, S.A. de C.V.	Bardahl Super Diesel Oil API CJ-4/SM	15W-40
Bardahl Asia Pacific Pte Ltd.	Power DJ	15W-40
BayWa AG	Tectrol Super Truck VD Plus 1540	15W-40
	Tectrol Super Truck VD Plus 1040	10W-40
	Tectrol Super Truck Plus E6 530	5W-30
Beijing Beifangchuangye Lubricating Oil Limited Company	Zhongxiang	15W-40
Benz Oil Company	Diesel XT	15W-40
Bernadini Pty Ltd.	Diesel Supreme	15W-40
BG Products, Inc.	BG SAE 15W-40 Synthetic Engine Oil	15W-40
Black Bear Company	SHD Motor Oil	10W-30
BP Plc	BP Vanellus Max Eco	15W-40
Bucher AG Langenthal	Motorex Focus CF	15W-40
	Motorex Focus CF	10W-40
	Nexus FE	5W-30
Calumet Packaging	Trufleet	15W-40
	Trufleet	10W-30
Calumet Speciality Products Partners LP	Hyperion Ultra Multigrade Engine Oil	15W-40
	Hyperion Blend	10W-30
Cam2 Oil Products Company, Inc.	Cam2 Super HD Premium Plus (07)	15W-40
	Synavex Ultra HD 5W-40 CJ-4/SM	5W-40
	Earth Driven	15W-40
Cam2 International LLC	Earth Driven	15W40
	Super HD Premium Plus (07)	15W-40
	Super HD Premium Plus	10W-30
Canadian Tire Corporation	MotoMaster Semi-Synthetic Diesel Motor Oil	10W-30
	MotoMaster Semi-Synthetic Diesel Motor Oil	15W-40
	MotoMaster Formula 1 Full Synthetic Diesel Motor Oil	5W-40
	MotoMaster Diesel Motor Oil	15W-40
Carl Harms	Oilfino Econ T 7700	10W-40

Supplier	Brand Name	Viscosity Grade
Castrol, Ltd.	Castrol Elixion	5W-30
	Castrol Enduron Global	10W-40
	Castrol Enduron Global	15W-40
	Castrol Hypuron	15W-40
	Castrol Hypuron	10W-30
	Castrol Hypuron Advanced Formula	10W-30
	Castrol Tecton Extra	15W-40
	Castrol Tecton Global ES	15W-40
	Castrol Vecton Fuel Saver	5W-30
	Castrol Vecton Fuel Saver 5w-30 E6/E9	5W-30
	Castrol Vecton CJ-4	15W-40
	Castrol Vecton 15W-40 CJ-4	15W-40
	Castrol Vecton 10W-40 LS	10W-40
	Castrol Vecton Long Drain	15W-40
	Castrol Vecton Long Drain	10W-30
	Castrol Vecton Long Drain CJ-4	10W-30
	Castrol Vecton Long Drain E6/E9	10W-30
	Castrol Vecton Long Drain E6/E9	10W-40
	Castrol Vecton Cambio Extendido	15W-40
	Castrol RX Max 15W-40	15W-40
Castrol CRB Turbo G4	15W-40	
CEPSA Comercial Petroleo	CEPSA Eurotech MS	15W-40
	CEPSA Eurotech LS 10W40 Plus	10W-40
Champion Brands, LLC	Champion All Fleet T	15W-40
	Champion Ultra Fleet	5W-30
Champion Chemicals N.V.	Champion Ecofleet Extra MS 15W-40	15W-40
	Champion OEM Specific 15W40 MS	15W-40
	Champion OEM Specific 10W30 MS	10W-30
	Champion OEM Specific 5W30 UHPD	5W-30
Chemlube International, Inc.	Chemlube Premium Multi-Fleet	15W-40

Supplier	Brand Name	Viscosity Grade
Chevron Global Lubricants	Delo® 400 SD	15W-30
	Chevron Delo® 400 LE®	10W-30
	Chevron Delo® 400 LE®	15W-40
	Chevron Delo® 400 LE Synthetic®	5W-40
	Chevron Delo® 400 LE Synthetic®	5W-30
	Chevron Delo® 400 XLE Synblend	10W-30
	Delo 400MGX	15W-40
	Chevron URSA® Super Plus EC®	15W-40
	Texaco Ursa Super Plus EC	15W-40
	Texaco URSA® Ultra	15W-40
	Texaco URSA® Ultra	10W-30
	Texaco Ursa Ultra LE	10W-30
	Texaco Ursa Ultra LE	15W-40
	Teaxco Ursa Ultra XLE	5W-30
	Ursa Ultra LE	10W-30
	Ursa Super Plus EC	10W-30
CHS, Inc. (Cenex)	Cenex MAXTRON DEO	15W-40
	Cenex MAXTRON Enviro-Edge	5W-40
	Cenex Superlube TMS	15W-40
CHS, Inc.	Superlube TMS	10W-30
	Maxtron DEO	10W-30
CITGO Petroleum Corporation	Citgard 600	15W-40
	CITGARD 700 Synthetic Blend	10W-30
	CITGARD 700 Synthetic Blend	15W-40
	CITGARD Syndurance Synthetic	5W-30
	Citgard HD	15W-40
	Mystik JT-8 SHD	15W-40
	Mystik JT-8 SHD	10W-30
	Mystik JT-8 Synthetic	5W-40
Coastal Blending & Packaging	IDO Premium Plus	5W-40
	IDO Premium Plus	15W-40
	IDO Premium Plus	10W-30
Colorado Petroleum Products Company	Rugged 400 CJ-4 15W40	15W-40

Supplier	Brand Name	Viscosity Grade
Comercial Importadora S.A. de C.V.	Super Series Advanced SS	15W-40
	Super Series Advanced	15W-40
	Dura Track FS Totalmente Sintetico	5W-30
	Dura Track MG Mineral Multigrado	15W-40
	Dura Track ST Desarrollo Sintetico	10W-30
	Dura Track ST Desarrollo Sintetico	10W-40
Comercial Roshfrans, S.A. de C.V.	Diesel Voltro Plus API CJ-4/SM	15W-40
	Aceite Sintetico Voltro® Americanfleet	5W-40
	Aceite Semisintetico Voltro® Pro	15W-40
Comma	TransFlow GX	15W-40
Condat Lubrifiants	Vicam Full Max	10W-40
CountryMark Cooperative LLP	Advantage	15W-40
	Advantage HD DEO Full Synthetic	5W-40
Cross Oil Refining & Marketing/ Martin Operating Partnership, LP	SynGard®	15W-40
	Gard®	15W-40
	Xtreme®	15W-40
	SynGard®	10W-30
	Gard®	10W-30
	Xtreme®	10W-30
David Weber Oil Company	Gibraltar Super S-3 LDLX	15W-40
	Gibraltar Super S-3 LX	15W-40
	Gibraltar Ultra LX	15W-40
Delek, The Israel Fuel Corporation, Ltd.	Delek Turbo Oil CJ-4	15W-40
Delfin Group USA	Spectrol	15W-40
Dennis K Burke Inc	Fleetline Super Fleet XHD	15W-40
Detroit Diesel	DD Genuine Motor Oil	15W-40
Dilmar Oil Company	Dieselmax	15W-40
DKR Petroleum Co. Ltd.	ER	15W-40
Emirates Lube Oil Co. Ltd.	National Performax Gold Plus	15W-40
Emirates National Oil Company	ENOC Vulcan 880X CJ-4	15W-40
Eni S.p.A.	eni i-Sigma top MS	10W-30
	eni i-Sigma top MS	15W-40
	eni i-Sigma top MS	5W-30
ENI USA R&M Co Inc	eni i-Sigma top 4AM 15W-40	15W-40
	eni i-Sigma top 4AM 5W-40	5W-40
	eni i-Sigma top 4AM 5W-30	5W-30
Eptech Corporation	Polytron	15W-40

Supplier	Brand Name	Viscosity Grade
Eurol BV	Eurol Globence	15W-40
	Eurol Marathol FE	5W-30
	Eurol Geo-Max	10W-40
Eurolub GmbH	Eurolub Lowcargo	5W-30
	Eurolub Cargo LSP Super	10W-40
Exol Lubricants Ltd.	Exol Taurus SHPD E9	10W-30
Federal Chile Petrolera, Ltd.	Federal Royal Synthetic	5W-40
	Federal Maxxum LE	15W-40
Federated Co-Operatives, Ltd.	D-MO Gold	15W-40
	D-MO Gold	10W-30
Finke Mineralölwerk GmbH	Aviaticon Turbo Super Plus	15W-40
	Aviaticon Turbo LA Plus	10W-40
	Aviaticon Finko Premium Truck LA	5w-30
Ford Motor Company	Motorcraft SAE 15W-40 Super Duty Motor Oil	15W-40
Fuchs Europe Schmierstoffe GmbH	Titan Cargo	15W-40
	Titan Cargo	5W-40
	Titan Cargo EU6	5W-30
Fujian Laike Petrochemical Co Ltd.	Laike	15W-40
Gazpromneft Lubricants Ltd.	G-Profi MSJ	5W-30
	G-Profi MSJ	10W-30
GB Lubricants	GB Intercooler LSC	15W-40
	GB Intercooler LSC	10W-30
	GB Unimoth Synth 4	10W-40
Georg OEST Mineralölwerk GmbH & Company KG	OEST Dimo TOP LS	15W-40
Ginouves SAS	York 949	10W-30
	York 949	15W-40
	York 1147	10W-40
Growmark, Inc.	Archer Premium Arpeco	15W-40
	FS Suprex Gold ESP	15W-40
	United Premium Fleet	15W-40
	FS Suprex Gold ESP	10W-30
	United Super Premium Fleet	10W-30
Grupa Lotos	Turdus Powertec 1100	15W-40
GS-Caltex Corporation	Kixx DX Euro	15W-40
Gulf Lubricants/NU- TierBrands, Inc.	Gulf Super Duty Plus	15W-40
	Gulf Super Duty Plus	10W-30

Supplier	Brand Name	Viscosity Grade
Gulf Oil International	Gulf Supreme Duty XLE	10W-30
	Gulf Supreme Duty XLE	15W-40
	Gulf Superfleet ULE	5W-30
Gulf Western Oil	Syn Fleet MX	10W-40
	Top Dog Global	15W-40
Hicks Oil	Formula 500	15W-40
	Nature's Choice	15W-40
HiTec Oil Traders, Pty Ltd.	HiTec Fleetmaster CJ-4	15W-40
HM Highmil SA de CV	HM Goldstar CJ-4	15W-40
HONG KUO LUBRICANT CO., Ltd.	Comtrol	15W-40
Hydrotex	HyFilm LEO	5W-40
	HyFilm LEO	5W-30
Idemitsu Kosan Ltd. Idemitsu Kosan Ltd.	UD Engine Oil VDS-4/DH-2	10W-30
	Megamulti VDS-4/DH-2	10W-30
IGOL France	Protruck 400X	10W-30
Imperial Oil, Ltd.	Mobil Delvac 1300 Super	15W-40
	Mobil Delvac 1300 Super	10W-30
	Mobil Delvac 1300 F2 Super	15W-40
INA Maziva d.o.o.	INA Super 2009	5W-30
Indian Oil Corporation	Servo Pride Max Plus	15W-40
Industrial Oil Unlimited	Hi-Tek	15W-40
Irving Blending and Packaging	IDO Premium Plus	15W40
	IDO Premium Plus	10W-30
	IDO Premium	15W-40
	IDO Premium	10W-30
	Carquest Premium HD	15W-40
	Carquest Premium HD	10W-30
Jiangsu Lopal Petrochemical Company Co. Ltd.	Lopal	15W-40
Kenworth	ALLLube Ultra	15W-40
Kroon-Oil B.V.	Dieselfleet MSP	15W-40
	Dieselfleet MSP	10W-30
	Armado Synth LSP Ultra	10W-40
	Armado Synth LSP Ultra	5W-30
	Armado Synth MSP Ultra	5W-40
Kuiken N.V.	Motor Oil Ultra 4	15W-40
	Motor Oil Ultra 4	10W-30
	Motor Oil Ultra 4	10W-40

Supplier	Brand Name	Viscosity Grade
Kuttenkeuler GmbH	Mega Truck 2 LSP	15W-40
Kuwait Petroleum	Q8 T760	10W-30
	Q8 T760	15W-40
	Q8 T760	10W-40
	Q8 T910	5W-30
Link Kimya Petrol urunleri San. Ve Tic. Ltd. Sti	dew Fighter	15W-40
Liqui Moly GmbH	Liqui Moly Top Tec Truck 4350	15W-40
	Liqui Moly Top Tec Truck 4450	15W-40
	Lique Moly Truck Nachfull-Oil	5W-30
Lubricantes de America, S.A. de C.V.	Gonher Super Fleet	15W-40
	Lubral Super Diesel	15W-40
Lubrication Engineers Inc.	Monolec® Ultra Engine Oil	15W-40
	Monolec Ultra® Syn Heavy Duty Engine Oil	5W-40
Lubricon Industrial Oil & Lubricants	Lubex Dieselfleet EXT D	15W-40
Lukoil Lubricants Europe Oy	Teboil Super HPD ECV	15W-40
	Teboil Super HPD ECV	5W-40
Lukoil Lubricants Austria GmbH	OMV truck blue GS	10W-30
	OMV truck blue GS	10W-40
	OMV truck blue ET	5W-30
M & J Sunshine	Valgab	15W40
Mabanol FmbH & Co KG	Argon Truck Blue FE	10W-40
	Argon Truck Blue Plus	5W-30
Magna Industrial Co. Limited	Omega 757	15W-40
Marathon Oil Company	Multipower-3 Ultra	15W-40
Maxol Lubricants Limited	Truck Line LSP	15W-40
	Truck Line LSP	10W-30
Meguin GmbH & Co KG Mineraloelwerke	Megol Motorenoel Premium truck LA	5W-30
	Megol Motorenoel Gloval truck SHPD	15W-40
Mexicana de Lubricantes, S.A. de C.V.	Akron Ultra Clear Plus CJ-4	15W-40
Millers Oils Ltd.	Truckmaster CJ-4	15W-40
	Truckmaster FE	5W-30
Minerva Oil	Synthotruck	10W-30
	Alltruck	5W-30
Mitsui Oil Corporation	Mitsui Ultra Diesel	5W-40
	Mitsui Heavy Duty Diesel Oil	15W-40



Supplier	Brand Name	Viscosity Grade
Mobil Branded Lubricants (Exxon Mobil Corp.)	Mobil Delvac 1 Advanced 5W-30	5W-30
	Mobil Delvac 1 5W-30	5W-30
	Mobil Delvac 1 ESP	5W-40
	Mobil Delvac 1 ESP	0W-40
	Mobil Delvac 1300 Super	10W-30
	Mobil Delvac 1300 Super	15W-40
	Mobil Delvac Elite	15W-40
	Mobil Delvac Elite	10W-30
	Mobil Fleet	15W-40
	Mobil Delvac MX ESP	10W-30
	Mobil Delvac MX ESP	15W-40
	Mobil Delvac 1 LE	5W-30
	Mobil Delvac XHP ESP	10W-40
	Modrica Oil Refinery	Maxima E-9
Maxima E-9		15W-40
MOL-LUB, Plc.	MOL Dynamic Global Diesel	15W-40
Morris Lubricants	Ecosyn	10W-40
	Morris Ring Free Eco-9	10W-30
	Versimax HD9	10W-40
Motul SA	Motul Tekma Futura +	10W-30
MPM International Oil Company BV	MPM Motor Oil 10W-30 Extra High Performance Truck Fuel Economy	10W-30
Müller Mineralöle GmbH & Co. KG	Opt Plus LSP Truck	15W-40
Neste Markkinointi Oy	Neste Turbo CJ-4	15W-40
	Neste Turbo NEX	15W-40
	Neste Turbo NEX	10W-40
NEW-PROCESS® AG	Dallas US	15W-40
	Diesel Eco Truck	5W-30
Nordlub Deutschland GmbH	Nordlub XP-HDLA Plus	5W-30
North American Lubricants	Puramax CleanFleet HD	15W-40
	PureGreen Extra-Duty	15W-40
Northland Products Company	Superline CJ-4 15W-40 '07	15W-40
	Synergy Synthetic Express	5W-40
North Sea Lubricants	Tidal Power SHPD	10W-30
Oel-Brack AG	Midland Maxtra	10W-40
	Midland Super Diesel	10W-40
Old World Industries	Peak Synthetic Blend Heavy Duty Diesel	15W-40
	Peak Synthetic Blend Heavy Duty Diesel	10W-30

Supplier	Brand Name	Viscosity Grade
OMNI Industries	NUVO	15W-40
	Pure Guard	15W-40
	Xtra Rev	15W-40
	ABRO	15W-40
OMV Petrol Ofisi AS	PO Maximus HD	10W-40
	PO Maximus HD	10W-30
	Maximus HD-E	5W-30
OOO LLK-International	Lukoil Avantgarde Professional LA	15W-40
	Lukoil Avantgarde Professional LA	5W-40
Organizacion Terpel SA	Terpel Maxter 15W40 Avanzado	15W-40
ORLEN Oil Sp. z o.o.	Platinum Ultor Futuro	15W-40
	Platinum Ultor Max	5W-40
	Platinum Ultor Optimo	10W-30
	Platinum Ultor Perfect	5W-30
	Platinum Agro Novo	15W-40
Panolin AG	Panolin Universal LA-X	15W-40
	Panolin Universal LA-X	10W-40
	Panolin Ecomot	5W-30
Paramo a.s.	Mogul Diesel L-SAPS	15W-40
Paz Lubricants & Chemicals	Paz Perfect CJ-4	15W-40
	Paz Perfect Dan	15W-40
Peak Lubricants Pty Ltd.	Peak 15W40 CJ-4/SM Global Diesel Extreme	15W-40
Penrite Oil Company Pty Limited	Diesel HD	15W-40
	Enviro Plus	10W-40
Petrobras Distribuidora S/A	Lubrax Advento	15W-40
Petro-Canada Lubricants	Duron-E	10W-30
	Duron-E	15W-40
	Duron-E XL	15W-40
	Duron-E XL Synthetic Blend	10W-30
	Duron-E Synthetic	5W-40
	Duron-E Synthetic	10W-40
	Duron-E UHP	5W-30
Petróleos de Portugal, Petrogal SA	Galp Galáxia LD Supra	15W-40
Petronas Lubricants International Snd Bhd	Petronas Urania Supremo CJ-4	15W-40
Petronas Lubricants Belgium NV	Sunoco Heavy Duty Atlas HPD	5W-40
Phi Oil GmbH	Motodor LSP Gold	5W-30
	Motodor LSP Gold	10W-40

Supplier	Brand Name	Viscosity Grade
Phillips 66	Guardol ECT	15W-40
	Kendall Super-DXA	15W-40
	Fleet Supreme EC	15W-40
	Triton ECT Full Synthetic	5W-40
	Kendall SHP Diesel Full Synthetic	5W-40
	76 Firebird Heavy Duty EC	15W-40
Pinnacle Oil, Inc.	Fleetpro Ultra	15W-40
	Fleetpro Full Synthetic	5W-40
Qatar Lubricants Company	Supreme MAX DEO	15W-40
Raj Petro Specialities P Ltd.	Zoomol RFORCE 5100 RF1	15W-40
Raloy Lubricantes, S.A. de C.V.	Raloy Diesel Leader V4	15W-40
	Raloy Diesel Leader 10W-30	10W-30
	Max Raloy Diesel Ultra Synthetic	5W-40
	Top Raloy Diesel Full Synthetic	10W-40
Ravensberger Schmierstoffvertrieb GmbH	Ravenol Low Emission Truck	15W-40
Renault Truck Oils	Maxima CRX ECO	10W-30
	Extensia FP Eco	10W-30
	Maxeon ME6 ECO	10W-30
	Maxeon XE6 ECO	5W-30
Repsol YPF Lubricantes Y Especialidas, S.A.	Repsol Diesel Turbo THPD MID SAPS	15W-40
	Repsol Diesel Turbo THPD MID SAPS	5W-30
RN Lubricants LLC	Rosneft Revolux D5	15W-40
Rock Oil	Guardian Commercial E9	15W-40
Rosemead Oil Products	Super Deluxe Coronation	15W-40
Rowe Mineralölwerk GmbH	Rowe Hightec Truckstar SAE 10W-40 Multi-LA	10W-40
Royal Manufacturing Company, LP	Diesel Supreme Ultra	15W-40
Royal Precision Lubricants	Ultra 9000	15W-40
Royal Purple, Inc.	Royal Purple High Performance Motor Oil SAE 15W-40 CJ-4	15W-40
Safety-Kleen Corporation	America's Choice	15W-40
	America's Choice	10W-30
	EcoPower	10W-30
	Ecopower	15W-40
	Performance Plus	15W-40
	Performance Plus	10W-30
Schaeffer Manufacturing	#700 Supreme 7000	15W-40

Supplier	Brand Name	Viscosity Grade
Shell International Petroleum Corp.	Shell Rimula RT4 L	15W-40
	Shell Rimula R4 L	15W-40
	Shell Rimula R5LE	10W-30
	Shell Rimula R5LE	10W-40
	Shell Rimula Super	15W-40
	Shell Rotella® T Triple Protection	15W-40
	Shell Rotella® T3	15W-40
	Shell Rotella® T5	10W-30
	Shell Rotella® T5	10W-40
	Shell Rotella® T6	5W-40
Shun Huang International Co., Ltd.	Jiamose	15W-40
Sinopec Corporation	Sinopec Tulux T600	15W-40
SK Energy Company, Ltd.	ZIC XQ 5000	15W-40
Smeermiddelen-Industrie De Olibron B.V.	Tor Truck Line LSP	15W-40
	Tor Truck Line LSP	5W-40
	Tor Truck Line LSP	10W-30
	Tor Truck Line LSP Plus	5W-30
	Tor Truck Line LSP Plus	10W-40
Smitty's Supply, Inc.	Sureguard Super Fleet	15W-40
Sonol Israel Ltd.	Titan Premium	15W-40
SRS Schmierstoff Vertrieb GmbH	SRS Turbo-Rekord Plus	15W-40
	SRS Turbo-Rekord plus FE	10W-40
	SRS Cargolub TLS plus	5W-30
Statoil Lubricants	MaxWay E9	15W-40
	MaxWay E9	10W-30
Swd Lubricants GmbH & Co KG	Swd Rheinol Favorit MSAP	15W-40
	Swd Rheinol Favorit MSAP	10W-40
Syneco SpA	Syneco VD IV	15W-40
Tamoil Italia SpA	Diesel Super HD	15W-40
	Diesel Ultra FE	10W-40
Tedex SA	Tedex SHPD VDS4 LSP Motor Oil	15W-40
Tehnosint d.o.o.	Extrol Euro Long Plus	15W-40
	Extrol Euro Long Plus	10W-40
Tesla Technoproducts FZE, Dubai	Denebola SS 1130	15W-40
Texas Refinery Corp.	ProSpec IV Engine Oil	15W-40
Texas petroChemical Asia Pacific Pte Ltd.	Texas Triton TX6	15W-40
Tide Water Oil Co. (India) Ltd.	Veedol Max-Pro Supreme CJ-4	15W-40
Tong Li Wuhan Petrochemical Co. Ltd.	Tong Li Diesel Engine Oil CJ-4	15W-40

Supplier	Brand Name	Viscosity Grade
TOTAL Lubricants	Total Rubia TIR 7900	15W-40
	Total Rubia TIR 7900 FE	10W-30
	Total Rubia TIR 8900 FE	10W-30
	Total Rubia TIR 9900 FE	5W-30
	Total Rubia TIR 9900	10W-40
	Total Rubia TIR 9900 IVE FE	5W-30
	Total Rubia Works 2000 FE	10W-30
	Total Rubia Works 2000 FE	10W-40
	Elf Performance Harmony FE	10W-30
	Elf Performance Harmony	15W-40
	Elf Performance Expert LSX FE	10W-30
	Total Caprano TDJ	15W-40
	Total Caprano TDJ FE	10W-30
	Star Max FE	10W-30
	Transnational Blenders BV	Engine Oil Super SHPD
Engine Oil Super SHPD		15W-40
Engine Oil Special Synthetic UHPD		10W-40
Trinidad & Tobago National Petroleum marketing Co Ltd.	Ultra Duty	15W-40
Tritech Lubricants & Sales Pty Ltd.	Toptech 15W-40 CJ-4/SM	15W-40
Tupo Lubricant Co Ltd.	HE P+ Chaojihecheng	15W-40
UAB "SCT Lubricants"	Fanfaro TRD E6 10W40 UHPD	10W-40
	Pemco Diesel G-7 Blue 10W40 UHPD	10W-40
	MN TS-7 UHPD Blue 10W40	10W-40
UAP Inc	Napa Value Diesel Engine Oil	15W-40
	Napa Value Diesel Engine Oil	10W-30
Unil Opal	Pallas 725	15W-40
	Pallas 725	10W-30
United Oil Company	Duralene Dura-Max	15W-40
	Duralene Dura-Max SB	15W-40
	Duralene Dura-Max SB	10W-30
Universal Lubricants, Inc.	Dyna-Plex 21C Synzol HDEO	5W-40
	ECO Ultra Premium CJ-4	15W-40
	ECO Ultra Premium CJ-4	10W-30
Valvoline Australia	Diesel Extra LE	15W-40

Supplier	Brand Name	Viscosity Grade
Valvoline Company	All Fleet Plus	10W-30
	All Fleet Plus	15W-40
	NextGen All Fleet Plus	15W-40
	NextGen Premium Blue	15W-40
	Premium Blue	15W-40
	Premium Blue	10W-30
	Premium Blue Extreme	5W-40
Valvoline Europe	All Fleet Extra LE	15W-40
	All Fleet Extreme LE	5W-40
	All-Fleet Extra LE NTI	15W-40
Veedol International Ltd	Veedol Maratron Ultra LSP	5W-30
	Veedol Max-Pro Special LSP	15W-40
Verco International	April Superpro RXL1 Gold Plus Heavy Duty	15W-40
Vextrom Corporation	Vextrom Xtraton Premium EXC	15W-40
	Vextrom Xtraton Advance Synthetic Blend	15W-40
Volgaresurs Co Ltd.	GT Turbo Diesel Extra	15W-40
VOLVO Truck Corp.	VOLVO Diesel Engine Oil VDS-4	10W-30
	VOLVO Diesel Engine Oil VDS-4	15W-40
VOLVO Trucks North America	VOLVO Premium Motor Oil	10W-30
	VOLVO Premium Motor Oil	15W-40
Vial Oil Ltd.	Consol Premium Plus	15W-40
	Select Lubricants Power Ultimate	15W-40
Wal-Mart Canada, Inc.	Tune It Premium Engine Oil	15W-40
	Tune It Premium Engine Oil	10W-30
Wal-Mart Stores Inc	Super Tech Universal	15W-40
Warren Distribution	MAG 1	15W-40
Warren Oil Company, Inc.	LubriGuard™ 15W-40 CJ-4	15W-40
	LubriGuard™ Full Synthetic	5W-40
	LubriGuard™ Full Synthetic	5W-30
	LubriGuard Synthetic Blend	10W-30
	CARQUEST Fleet Plus	15W-40
	CARQUEST Full Synthetic Fleet Plus	5W-40
Windward Petroleum	Naviguard Premium Fleet	10W-30
Witham Oil & Paint Ltd.	Qualube Extremol FS	10W-40
	Qualube Extremol FS	10W-30

<b>Supplier</b>	<b>Brand Name</b>	<b>Viscosity Grade</b>
Wolf Oil Corporation NV	Wolf Masterlube Ecomiles Extra MS 15W-40	15W-40
	Wolf Officialtech 15W40 MS	15W-40
	Wolf Officialtech 10W30 MS	10W-30
	Wolf Officialtech 5W30 UHPD	5W-30
Vroman NV	Ardeca Pro-Tec Ultra	15W-40
Wunsch Ole GmbH	Wunsh TLA-Diesel Plus	10W-40
Wunsch Ole GmbH	Wunsch Record TLM LOWASH	10W-40
Xado Lube BV	Xado Atomic Oil	15W-40
XL Lubricants Pty Ltd.	XL Lubricants CJ-4/SM	15W-40
Yacco SA	Transpro 40S FE	10W-30
Zeller-Gmelin GmbH & Co. KG	Divinol Multimax Advanced	5W-30

