

# Mobil Delvac 1300 Super

## Extra High Performance Diesel Engine Oil

### Product Description

Mobil Delvac 1300 Super 10W-30 and 15W-40 are extra high performance diesel engine oils that help extend engine life in the most severe on and off-highway applications while delivering outstanding performance in modern, high-output, low-emission engines including those with Exhaust Gas Recirculation (EGR) and Aftertreatment Systems with Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs). Fully backwards compatible, Mobil Delvac 1300 Super will also deliver the same exceptional performance in older conventional engines. As a result, they exceed the API CJ-4, CI-4 PLUS and CH-4 service categories as well as key Original Equipment Manufacture (OEM) requirements for 2007 engines.

Mobil Delvac 1300 Super is the result of extensive cooperative development work with major OEMs and is recommended for use in a wide range of heavy duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries. These products will provide outstanding protection in the most demanding diesel engines of Caterpillar, Cummins, Detroit Diesel, Mack, Mercedes Benz, Navistar, Volvo, and others. Mobil Delvac 1300 Super also meets the API SM specification for gasoline engines and mixed fleets.

### Features and Benefits

As engine designs change in response to tougher emissions restrictions imposed by the EPA, the performance demand on engine lubricants likewise increases in order to compensate for the harsher environments that new engine designs bring with them. New engines (model-year 2007 and beyond) will come equipped with aftertreatment devices installed in the engine exhaust stream which will require the use of both API CJ-4 oils and ultra-low sulfur fuels to function properly. Additionally, new engines using EGR will generate even higher levels of acid, soot and heat than older EGR engines due to substantially increased EGR rates compared to previous EGR designs.

Mobil Delvac 1300 Super 10W-30 and 15W-40 are formulated to assure excellent control of oil thickening due to soot build-up and outstanding TBN retention for long drain intervals. Mobil Delvac 1300 Super's advanced technology also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.



The key benefits include:

<b>Features</b>	<b>Advantages and Potential Benefits</b>
Superior soot-viscosity control	Greater engine efficiency, long engine life and long oil life
Outstanding thermal and oxidative stability	Reduced low temperature sludge build-up and high temperature deposits
Excellent oil consumption control	Lower oil costs due to less make-up oil during operation
Outstanding TBN reserves	Improved corrosion protection and extended drain intervals for both new and old engines using either low (500ppm) or ultra-low (15ppm) sulfur diesel fuel
Stay-in-grade shear stability	Maintains viscosity in severe, high temperature service for greater wear protection and long engine life
Excellent low temperature pumpability	Faster oil flow and reduced wear during engine start-up in low temperatures
Superb resistance to corrosive and abrasive wear	Long life of critical wear surfaces
Component compatibility	Long gasket, seal, and after treatment (DPF and DOC) life
Meets demanding specifications of key OEMs and latest API gasoline service category	One engine oil for mixed fleet operations

## Applications

- Specifically recommended for the latest low-emissions, high performance diesel applications equipped with aftertreatment systems using Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC) technologies.
- Recommended for high-performance diesel applications including turbo-charged designs featuring EGR Technology and diesel applications using older, naturally aspirated conventional designs.
- On-highway heavy-duty trucking and off-highway including: construction, mining, quarrying, and agriculture.
- On-highway applications operating in both high speed/high load and short haul pick-up/delivery.
- Off-highway applications operating in severe low speed/heavy load conditions using either low (500ppm) or ultra low (15ppm) sulfur fuels.
- Recommended for use in high performance gasoline engines and mixed fleet operations.
- Diesel-powered equipment from American and European OEMs

Due to continual product research and development the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet which is available at [www.imperialoil.ca](http://www.imperialoil.ca) or by contacting the Imperial Oil Technical Help Desk at: 1-800-268-3183.

## Specifications and Approvals

<b>Mobil Delvac 1300 Super Meets or Exceeds the following industry and builder specifications:</b>	<b>10W-30</b>	<b>15W-40</b>
API CJ-4, CI-4 PLUS, CI-4, CH-4/SM, SL	X	X
API CF/CF-2		X
ACEA E7-04		X
Caterpillar ECF-3	X	X
Cummins CES 20081	X	X

<b>Mobil Delvac 1300 Super has the following builder approvals:</b>	<b>10W-30</b>	<b>15W-40</b>
Detroit Diesel Power Guard Oil Specification 93K218, 93K214		X
Mack EO-O Premium Plus	X	X
MB-Approval 228.31		X
Volvo VDS-4, VDS-3, VDS-2	X	X

## Typical Properties

<b>Mobil Delvac 1300 Super</b>	<b>10W-30</b>	<b>15W-40</b>
SAE Grade		
Viscosity, ASTM D 445		
cSt @ 40°C	79	110
cSt @ 100°C	12.0	15.0
CCS, cP, ASTM D 5293	6700 @ -25°C	6300 @ -20°C
MRV, cP, ASTM D 4684	25,500 @ -30°C	29,000 @ -25°C
HTHS @ 150°C, cP, ASTM D4683	3.6	4.2
Viscosity Index, ASTM D 2270	148	142
Sulfated Ash, wt%, ASTM D 874	.99	.99
Total Base #, mg KOH/g, ASTM D 2896	8.6	8.6
Pour Point, °C, ASTM D 97	-33	-37
Flash Point, °C, ASTM D 92	215	215
Density @ 15°C kg/l, ASTM D 4052	.873	.873

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## Precautions

The products described on this data sheet are manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to the Material Safety Data Sheet for further information.

Note: The products described on this data sheet are NOT controlled under Canadian WHMIS legislation.

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