



## Mobil Delvac 1600 Monogrades

### Heavy Duty Diesel Engine Oils

#### Product Description

Mobil Delvac 1630 and 1640 are extra high performance diesel engine oils formulated from advanced base oils and a balanced additive system to meet or exceed the demanding specifications of the world's leading builders of modern diesel engines. They are recommended by ExxonMobil for use in European and Japanese-designed intercooled, highly turbocharged engines operating under the most severe on and off-highway conditions.

#### Features and Benefits

Today's low emission engines place increasing demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil make-up to replenish depleted additives. Higher piston top ring positioning brings the oil film closer to the extreme combustion temperatures increasing thermal stress on the lubricant. Higher fuel injection pressure and retarded timing improve burn efficiency, but also increase engine part loading, temperatures, and soot in the oil. The advanced technology in Mobil Delvac 1630 and 1640 provides exceptional performance in both modern diesel engines as well as older models. The key benefits include:

Features	Advantages and Potential Benefits
Outstanding protection against oil thickening, high temperature deposits, sludge build-up, and oil degradation	Outstanding control of high temperature deposits Extended oil life above OEM recommended Oil Drain Intervals(ODI) Excellent protection against ring sticking
Exceptional wear protection	Reduces maintenance costs and extends engine life
Excellent soot handling capabilities	Maintains viscosity control and reduces wear

#### Applications

##### Recommended by ExxonMobil for use in:

- Diesel-powered equipment from leading diesel engine manufacturers
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, quarrying, and agriculture
- Mixed diesel and gasoline fleets

#### Specifications and Approvals

Mobil Delvac 1600 Monogrades meet or exceed the following industry and builder specifications:	1630	1640
JASO DH-1	X	X

Mobil Delvac 1600 Monogrades have the following builder approvals:	1630	1640
MB-Approved 228.2	X	X
MAN 270	X	X
MTU Oil Category 2	X	X
ZF TE-ML 04B	X	X

Mobil Delvac 1600 monogrades are also recommended by ExxonMobil for use in applications requiring:	1630	1640
API CF/SF	X	X
ACEA E2	X	X
Allison C-4	X	

### Typical Properties

Mobil Delvac 1600 Monograde	1630	1640
SAE Grade	30	40
Viscosity, ASTM D 445		
cSt @ 40°C	90	132
cSt @ 100°C	11.5	14.7
Viscosity Index, ASTM D 2270	117	112
Sulfated Ash, wt%, ASTM D 874	1.4	1.4
Total Base #, mg KOH/g, ASTM D 2896	12	12
Pour Point, °C, ASTM D 97	-30	-21
Flash Point, °C, ASTM D 92	250	256
Density @ 15°C kg/l, ASTM D 4052	0.89	0.89

### Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com). ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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