



## Mobil Delvac 1600 Monogrades

### High Performance Diesel Engine Oils

#### Product Description

Mobil Delvac 1630, 1640, and 1650 are high performance monograde diesel engine oils formulated from advanced technology base oils and a balanced additive system. They are recommended by ExxonMobil for use in intercooled, turbo-charged engines operating under severe on and off-highway conditions as well as a wide range of applications where a monograde lubricant is recommended.

#### Features and Benefits

Features	Advantages and Potential Benefits
Excellent protection against oil thickening, high temperature deposits, sludge build-up, oil degradation and corrosion	Prolonged engine life Less wear Excellent protection against ring sticking
Extended TBN reserve	Long-term deposit/wear control Controls formation of acids when using higher sulfur fuels

#### Applications

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

- Naturally aspirated and turbo-charged diesel powered equipment
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, mining, quarrying, and agriculture

#### Specifications and Approvals

Mobil Delvac 1600 Monogrades meet or exceed the requirements of the following industry and builder specifications:	Mobil Delvac 1630	Mobil Delvac 1640	Mobil Delvac 1650
JASO DH-1	X	X	

Mobil Delvac 1600 Monogrades have the following builder approvals:	Mobil Delvac 1630	Mobil Delvac 1640	Mobil Delvac 1650
MTU Oil Category 2	X	X	
MAN 270	X	X	
ZF TE-ML 04B	X	X	

Mobil Delvac 1600 Monogrades are recommended by ExxonMobil for use in applications requiring:	Mobil Delvac 1630	Mobil Delvac 1640	Mobil Delvac 1650
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API CF/SF	X	X	X
ACEA E2	X	X	
Allison C-4	X		

## Typical Properties

Mobil Delvac 1600 Monogrades	Mobil Delvac 1630	Mobil Delvac 1640	Mobil Delvac 1650
SAE Grade	30	40	50
Viscosity, ASTM D 445			
cSt @ 40°C	90	132	202
cSt @ 100°C	11.5	14.7	19.5
Viscosity Index, ASTM D 2270	117	112	110
Sulfated Ash, wt%, ASTM D 874	1.4	1.4	1.4
Total Base #, mg KOH/g, ASTM D 2896	12	12	12
Pour Point, °C, ASTM D 97	-30	-21	-18
Flash Point, °C, ASTM D 92	230	239	290
Density @ 15°C kg/l, ASTM D 4052	0.889	0.892	0.896

## 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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