



Mobil Delvac™ 1 Final Drive and Axle Oil

Mobil Commercial Vehicle Lube, New Zealand

Product Description

Mobil Delvac™ 1 Final Drive and Axle Oil is an extra high performance drivetrain lubricant that meets the requirements of the Caterpillar FD-1 standard. It is specifically engineered to provide optimum component life when used as recommended in off-highway truck and bulldozer final drives, axles, bevel gears, and differentials, especially those operating under high loads and extreme temperatures. It is formulated from advanced synthetic base oils and the latest additive technology to provide extended oil drain intervals and prolong the life of bearings and gears. The synthetic base oil composition enables excellent performance in some of the harshest operating conditions and over a wide temperature range, in high temperatures as well as temperatures down to -35°C.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty off-highway equipment innovative drivetrain designs. Additionally, increasing demands for higher productivity and more severe operating conditions put severe stress on axles and final drive components. For optimum durability and performance, Mobil Delvac 1 Final Drive and Axle Oil can be relied on to maintain productivity and minimize maintenance costs.

Features	Advantages and Potential Benefits
Excellent load carrying, anti-wear, and EP performance	Helps extend component life and reduce cost of operation
Optimized thermal and oxidation protection	Long oil life, extended drain and service intervals, and extended component life
Exceptional shear stability	Helps minimize wear during severe operation
Outstanding low-temperature fluidity	Helps reduce wear during cold temperatures
Extended drain and service interval capability	Helps provide lower operating costs and higher productivity

Applications

Mobil Delvac 1 Final Drive and Axle Oil is recommended for use in off-highway truck and bulldozer front wheels, differentials and final drives requiring CAT lubricants. Note that Mobil Delvac 1 Final Drive and Axle Oil should not be used in compartments that contain frictional materials unless an oil meeting the specification has been specified.

Specifications and Approvals

This product meets or exceeds the requirements of:
Caterpillar FD-1

Properties and Specifications

Property	
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	320
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	31.6
Viscosity Index, ASTM D2270	138
Pour Point, °C, ASTM D97	-45

Property	
Flash Point, Cleveland Open Cup, °C, ASTM D92	246
Density @ 15.6 C, kg/l, ASTM D4052	0.8573

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>

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Mobil Oil New Zealand Limited
164-188 Beaumont St
Auckland
New Zealand

+ 64 4 498 4000

<http://www.exxonmobil.com>

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

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