



Mobilube™ XFD 60 X1

Mobil Commercial Vehicle Lube , Indonesia

High Performance Drivetrain Lubricants

Product Description

Mobilube™ XFD 60 X1 is a high performance lubricant suitable for use in construction and mining equipment transmissions and drivetrains. It is formulated from advanced base oils and the latest additive technology to protect bearings and gears from premature failure due to fatigue. It delivers excellent performance in heavy-duty commercial axles and final drives where extreme pressures and shock loading are expected.

Features and Benefits

Demands for higher productivity, more severe operating conditions, and larger capacity equipment put severe stress on axles and final drive components. In severe applications, TO-4 lubricants may be limited in terms of wear protection in heavily loaded final drives due to their need to also serve the frictional requirements of clutches in heavy-duty transmissions. For optimum durability and performance, Mobilube XFD 60 X1 can be relied on to maintain productivity and minimize maintenance costs between scheduled service intervals in extreme applications.

Features	Advantages and Potential Benefits
Improved extreme pressure (EP) performance versus TO-4 fluids	Excellent load and shock carrying ability with reduced premature failures and operating costs
High oxidation and thermal stability	Reduced deposits thereby, component life extension
Excellent protection against copper corrosion and rust	Extended component life and lower maintenance costs
Wide temperature capability	Simplifies inventory and reduces need for seasonal change-outs
Good compatibility with seals and conventional drive train lubricants	Reduces leakage and contamination from external sources
Excellent frictional performance	Ensures smooth & precise control during operations

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty axles and final drives used in trucks and bulldozers requiring CAT FD-1 specification
- Off-highway industries including: construction, mining, and quarrying
- Not recommended for engines, transmissions or hydraulic systems
- Not recommended for final drives and axles containing friction material and/or wet brakes

Specifications and Approvals

This product is recommended for use in applications requiring:
Caterpillar FD-1

Properties and Specifications

Property	
Grade	SAE 60
Viscosity Index, ASTM D2270	97
Density @ 15 C, g/ml, ASTM D4052	0.9
Flash Point, Cleveland Open Cup, °C, ASTM D92	290
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	329
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	24.9
Pour Point, °C, ASTM D97	-21

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.aspx>

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11-2022

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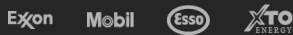
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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. 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

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