



Mobilube™ XFD 50, 60

Mobil Commercial Vehicle Lube , Canada

High Performance Drivetrain Lubricants

Product Description

Mobilube™ XFD 50 and 60 are high performance drivetrain lubricants engineered specifically to provide optimum component life when used as recommended in Caterpillar final drives and axles. They are formulated from advanced base oils and the latest additive technology to protect bearings and gears from premature failure due to fatigue. These lubricants deliver excellent performance in heavy-duty commercial axles and final drives where extreme pressures and shock loading are expected. They provide exceptional chemical and thermal stability at elevated bulk oil temperatures generated under heavy loads and/or high ambient temperatures.

Mobilube XFD Series have been extensively field tested in Caterpillar off-highway heavy trucks and bulldozers over a wide range of ambient temperatures and operating in severe conditions with a recommended drain interval up to 4,000 hours for off-highway haulers.

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 gear lubricants can be relied on to maintain productivity and minimize maintenance costs between scheduled service intervals in extreme applications. The key benefits include:

Features	Advantages and Potential Benefits
Improved extreme pressure (EP) performance versus TO-4 fluids	Increased load and shock carrying ability with reduced premature failures and operating costs
High oxidation and thermal stability	Longer oil life, reduced deposits, and extended component life
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
Eliminates or reduces foaming	Maintains film strength for reliable wear protection

Applications

- Heavy-duty axles and final drives used in trucks and bulldozers built by Caterpillar
- Off-highway industries including: construction, mining, and quarrying
- Use Mobilube XFD 50 when the maximum operating ambient temperature is below 32°C (90°F)
- Use Mobilube XFD 60 when the maximum operating ambient temperature is below 50°C (122°F)
- 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

Mobilube XFD meets the following industry and builder specifications:	50	60
Caterpillar FD-1	X	X

Typical Properties

Mobilube XFD	50	60
SAE Grade	50	60
Viscosity, ASTM D 445		
cSt @ 40°C	206	334
cSt @ 100°C	18.5	25.6
Viscosity Index, ASTM D 2270	99	100
Pour Point, °C, ASTM D 97	-21	-15
Flash Point, °C, ASTM D 92	250	255
Density @ 15°C kg/l, ASTM D 4052	0.890	0.895

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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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 Imperial Oil contact or visit www.imperialoil.ca. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Imperial Oil, 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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