Mobilube™ HD Plus 80W-90

Mobil Commercial Vehicle Lube , New Zealand

Extra High Performance Commercial Gear Lubricants

Product Description

Mobilube HD Plus 80W-90 is extra high performance commercial gear lubricant formulated from select base oil and an advanced additive system. This lubricant is engineered for performance in heavy-duty commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected. They provide excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and have demonstrated good rust protection resulting from water contamination and wet conditions. They are recommended by ExxonMobil for applications where API GL-5 and MT-1 service is required.

Features and Benefits

Today's heavy equipment applications place higher performance demands on drive train lubricants. Higher speeds, higher torque, and heavier loads require improved formulations to maximise equipment life and optimise operating costs. Longer service intervals place additional demands on the gear lubricant. Mobilube HD Plus 80W-90 gear lubricant is engineered to meet these challenges. The key benefits include:

Features	Advantages and Potential Benefits
Excellent thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits and longer seal life
Good protection against low speed/high torque wear and against high speed scoring	Increased load carrying capability and reduced operating costs
Excellent rust, staining, and corrosion protection	Reduced wear and longer component life
Effective low temperature lubrication	Reduced wear and ease of start-up
Wide multipurpose capability	Reduced number of gear lubricants to simplify inventory and minimize misapplication
Good resistance to foaming	Maintains film strength for effective lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty manual transmissions, axles, and final drives requiring API GL-5 and MT-1 level performance
- On-highway light and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Initial fill, top-off, and refill of enclosed commercial gearing in manual or semiautomatic transmissions where gear lubricants are recommended including drive axles and final drives
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for transmissions for which engine oil or automatic transmission fluids are recommended.

Specifications and Approvals

This product has the following approvals:
Mack GO-J
SAE J2360
Volvo 97321

This product is recommended for use in applications requiring:
MIL (US) MIL-PRF-2105E

This product meets or exceeds the requirements of:
API GL-5
API MT-1
Meritor O-94
Scania STO 1:0

Properties and Specifications

Property	
Grade	SAE 80W-90
Flash Point, Cleveland Open Cup, °C, ASTM D92	222
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	149.7
Density @ 15 C, kg/l, ASTM D4052	0.897
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.31
Pour Point, °C, ASTM D97	-24

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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