Mobil

Mobilube™ HD-A 85W-90

Mobil Commercial Vehicle Lube , Ireland

Automotive Gear Lubricant

Product Description

Mobilube HD-A 85W-90 is a heavy duty gear lubricant formulated from high performance base oils and an advanced additive system. This lubricant is engineered for commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected and is recommended by ExxonMobil for applications performance where API GL-5 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 minimise operating costs. Longer service intervals place additional demands on the gear lubricant requiring effective basestock and additive systems. Mobilube HD-A 85W-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 Longer seal life
Good protection against low speed/high torque wear and against high speed scoring especially in heavily loaded rear axles	Increased load carrying capability Reduced maintenance costs and longer equipment life
Effective rust and corrosion protection	Reduced wear and longer component life
Multipurpose capability	Reduced number of gear lubricants required
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination
Extended drain capability	Increased productivity and reduced operating costs

Applications

Recommended by ExxonMobil for use in:

- Heavy duty automotive manual transmissions, axles, and final drives requiring API GL-5 level performance
- On highway cars and light trucks; heavy duty commercial vehicles
- Off highway industries including: construction, mining, quarrying, and agriculture
- Other gearboxes, steering gears and variable gearboxes
- Other heavy duty industrial and automotive applications involving hypoid gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque prevail

Specifications and Approvals

This product has the following approvals:

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ZF TE-ML 16C
ZF TE-ML 17B
ZF TE-ML 19B
ZF TE-ML 21A
DTFR 12B100

This product is recommended for use in applications requiring:
MAN 342 Typ M1

This product meets or exceeds the requirements of:
API GL-5
ZF TE-ML 07A

Properties and Specifications

Property	
Grade	SAE 85W-90
Density @ 15 C, kg/l, ASTM D4052	0.9
Flash Point, Cleveland Open Cup, °C, ASTM D92	222
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	17
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	184
Pour Point, °C, ASTM D97	-24
Viscosity Index, ASTM D2270	99

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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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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