Mobilube™ S 80W-90

Mobil Commercial Vehicle Lube , Norway

Multi-Purpose Drivetrain Lubricant

Product Description

Mobilube™ S 80W-90 is an extra high performance drivetrain lubricant engineered to provide excellent lubrication for state-of-the-art, heavy duty manual transmission components used in on-highway commercial vehicles and cars. Potential benefits include excellent shifting performance, good low temperature fluidity, and high temperature viscosity retention. Mobilube S 80W-90 provides API GL-4/5 level performance.

Features and Benefits

Today's technology has vastly improved the performance capabilities of on-highway vehicles in terms of load, speed, and control through inno-drivetrain designs. These designs have increased the requirements of components and lubricants to deliver a higher level of performance. For heavy-duty applications, friction control, wear reduction, thermal stability, shear stability, rust and corrosion inhibition, and seal protection are features that must be optimally balanced to contribute to long gear and synchroniser life, smooth shift control, fuel economy, and high load capability over a wide range of applications. Mobilube S 80W-90 delivers outstanding performance in current as well as older units. The key benefits include:

Features	Advantages and Potential Benefits
Outstanding load carrying, anti-wear, and extreme pressure performance	Helps to promote long transmission life.
Excellent prevention of deposits and lacquer formation	Helps to promote long seal life, extended drain, and service intervals
Excellent protection from corrosion of copper and its alloys	Helps to promote long life of synchronisers and smoother shifting performance
Effective thermal and oxidation resistance at high operating temperatures	Helps to promote reduced wear and long component life
Excellent shear stability	Maintains effective viscosity and film strength during severe operation
Good low-temperature fluidity	Easier, smoother shifting and quicker starts

Applications

Recommended by ExxonMobil for use in:

- Cars, on highway light and heavy duty trucks, busses, and vans
- Heavy duty automotive type drivetrains where API GL-4/GL-5 level performance is required

Specifications and Approvals

This product has the following approvals:
MAN 341 Typ Z2
MAN 342 Typ M2
ZF TE-ML 02B
ZF TE-ML 05A

This product has the following approvals:
ZF TE-ML 12L
ZF TE-ML 12M
ZF TE-ML 16B
ZF TE-ML 19B
ZF TE-ML 21A

This product is recommended for use in applications requiring:
API GL-4
MAN 341 Typ E2
Meritor O76-D
MIL (US) MIL-PRF-2105E
ZF TE-ML 08

This product meets or exceeds the requirements of:
API GL-5
API MT-1
R. Bosch AS TE-ML 08
ISUZU Axle Oil
Scania STO 1:0
ISUZU Large Manual Transmission Oil
ZF TE-ML 07A
SCANIA STO 1:1G

Properties and Specifications

Property	
Grade	SAE 80W-90
Density @ 15 C, g/cm3, ASTM D4052	0.9
Flash Point, Cleveland Open Cup, °C, ASTM D92	210
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	144
Pour Point, °C, ASTM D97	-30
Viscosity Index, ASTM D2270	105

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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