Mobil

Mobiltrans™ AST

Mobil Commercial Vehicle Lube , Chile

Extra High Performance Drivetrain Lubricant

Product Description

Mobiltrans AST (All Season Transmission) is an extra high performance drivetrain lubricant engineered to meet or exceeds the requirements of Caterpillar's new TO-4M performance specifications for off-highway transmissions, drive trains, and hydraulic systems. This advanced technology lubricant provides clutch and brake compatibility and extended life that has not been possible with previous formulations. Mobiltrans AST incorporates a blend of semi-synthetic base oils with an advanced additive system. The product is recommended for all-season lubrication all drivetrain components in light to severe duty off-highway equipment operating in a wide range of environments.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty off-highway equipment in terms of load, speed, control, and performance through innovative drivetrain designs. These designs have increased the requirements of drivetrain fluids to deliver higher performance, increased productivity, and reduced operating costs. For heavy-duty transmissions, friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and seal compatibility are features that must be optimally balanced to provide extended gear and synchroniser life, smooth shift control, fuel economy, and high load capability over a wide range of applications. Mobiltrans AST delivers exceptional performance in today's power train components including haul truck final drives with year-round application. The key benefits include:

Features	Advantages and Potential Benefits
Excellent frictional properties	Optimum clutch friction retention and slippage control, excellent anti-chatter brake performance, and extended clutch/brake life
Excellent load carrying, anti-wear, and EP performance	Greater wear protection, extended component life, and reduced cost of operation
Outstanding protection against deposit formation	Longer seal life, extended drain, and service intervals
Maximum protection from corrosion of copper and its alloys	Protects and extends the life of synchronizers
Optimized thermal and oxidation protection	Extended transmissions and drive train life
Exceptional shear stability	Maintains effective viscosity and film strength during severe operation
Outstanding low-temperature fluidity and pumpability	Smoother shifting with quicker starts and reduced wear
All-season capability	Extended drain and service intervals with lower operating costs and higher productivity

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty transmissions, drivetrains, final drives and gear cases used in off-highway equipment

Specifications and Approvals

This product is recommended by ExxonMobil for use in applications requiring:
Allison C-4
KOMATSU KES 07.868.1

This product meets or exceeds the requirements of:
Caterpillar TO-4M

Properties and Specifications

Property	
Flash Point, Cleveland Open Cup, °C, ASTM D92	222
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.2
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	107
Pour Point, °C, ASTM D97	-39
Viscosity Index, ASTM D2270	134
Density @ 15.6 C, g/ml, ASTM D4052	0.882

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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