



Mobiltrans™ AST 20

Mobil Commercial Vehicle Lube , Kazakhstan

Extra High Performance Drivetrain Lubricant

Product Description

Mobiltrans™ AST 20 is a high performance multigrade transmission and drive train lubricant. This product is uniquely designed to provide low temperature and multi-season service in powershift transmissions, gearboxes, clutches, final drives and hydraulic systems. Mobiltrans AST 20 can be used in cold ambient temperatures down to -45°C.

The technology in Mobiltrans AST 20 combines selected base oils and an advanced additive system to deliver the precise performance parameters needed to maximize the productivity of construction, logging, mining and agriculture equipment operating in severe conditions.

Features and Benefits

Today's technology has vastly improved the performance capabilities of heavy-duty off-highway equipment in terms of load, speed, control, reliability and performance through innovative drive train designs. These designs have increased the requirements of drive train fluids to deliver higher performance, increased productivity and reduced operating costs. Friction control, wear protection, thermal stability, shear stability, rust and corrosion protection and seal compatibility are features of the drive train fluid that must be optimally balanced to provide extended clutch, gear and synchronizer life, smooth shift control and high load capability over a wide range of applications and operating conditions. Mobiltrans AST 20 delivers exceptional performance in today's drive train components and hydraulic systems. The key benefits include:

Features	Advantages and Potential Benefits
Excellent frictional properties	Optimum clutch friction retention & slippage control Excellent anti-chatter brake performance Extended clutch & brake life
Excellent load carrying, anti - wear and EP performance	Greater wear protection, extended component life, reduced cost of operation
Outstanding protection against deposit formation	Longer seal life, extended drain & service intervals
Protection from corrosion of copper and its alloys	Protects and extends the life of synchronizers
Compatible with clutch materials and elastomers	Long clutch component & seal life, reduced oil leakage
Excellent foam control protection	Optimum performance in wet brakes, hydraulic system
Multi-season capability	Extended drain and service intervals with lower operating costs and higher productivity
Excellent thermal and oxidation stability	Long oil life, reduced wear, extended equipment life
Exceptional shear stability	Maintains effective viscosity and film strength during severe operation
Outstanding low-temperature fluidity and pumpability	Reduced time from start-up to production, smoother shifting with quicker starts and reduced wear

Applications

Heavy duty transmissions, gear boxes, final drives and hydraulic systems used in off-highway construction, logging, mining and agriculture equipment

- Suitable for most mobile equipment hydraulic applications

Specifications and Approvals

This product is recommended for use in applications requiring:

Caterpillar TO-4

Properties and Specifications

Property	
Grade	SAE 0W-20
Pour Point, °C, ASTM D97	-48
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	31
Density @ 15.6 C, g/ml, ASTM D4052	0.85
Brookfield Viscosity @ -40 C, mPa.s, ASTM D2983	5800
Flash Point, Cleveland Open Cup, °C, ASTM D92	190
Ash, Sulfated, mass%, ASTM D874	1.2
Cold-Cranking Simulator, Apparent Viscosity @ -35 C, mPa.s, ASTM D5293	2600
Viscosity Index, ASTM D2270	221
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	7.4

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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