



Mobiltrans™ AST 30

Mobil Commercial Vehicle Lube , Kazakhstan

Extra High Performance Drivetrain Lubricant

Product Description

Mobiltrans™ AST (All Season Transmission) is an extra high performance drivetrain lubricant engineered to meet the extreme performance requirements in heavy-duty off-highway transmissions, drive trains, and hydraulic systems. Mobiltrans AST 30 lubricant combines selected high quality base oils and an advanced additive system to deliver the precise performance parameters needed to help 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, 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	Great wear protection, extended component life, and reduced cost of operation
Outstanding protection against deposit formation	Help extend seal life, drain & 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

Mobiltrans AST 30 is recommended for use in heavy-duty transmissions, gear boxes, differentials, final drives, wet brakes and hydraulic systems.

Mobiltrans AST 30 is suitable for use in equipment requiring Caterpillar TO-4 and TO-4M fluids and Komatsu equipment, requiring good micro-clutch performance.

Properties and Specifications

Property	

Property	
Grade	SAE 5W-30
Brookfield Viscosity @ -35 C, mPa.s, ASTM D2983	14000
Density @ 15.6 C, g/ml, ASTM D4052	0.866
Flash Point, Cleveland Open Cup, °C, ASTM D92	190
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	10.5
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	57.6
Pour Point, °C, ASTM D97	-48
Viscosity Index, ASTM D2270	173

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>

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

04-2022

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

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

Energy lives here™

ExxonMobil

Exxon Mobil  

© Copyright 2003-2022 Exxon Mobil Corporation. All Rights Reserved