

KLONDIKE SAE 50 Full Synthetic Manual Transmission Lubricant



PRODUCT DESCRIPTION

KLONDIKE Full Synthetic Manual Transmission Lubricant is a heavy duty transmission fluid specially formulated for extended drain applications and severe operating conditions.

APPLICATIONS

KLONDIKE Full Synthetic Manual Transmission Lubricant is recommended for service fill of heavy duty manual transmissions. Typical applications include on-highway heavy duty trucks and buses as well as off-highway heavy equipment in the forestry, construction and mining industries. The ideal manual transmission fluid to compliment the use of full synthetic gear lubricants in rear differentials and axles, thus offering outstanding service life and fuel economy benefits.

DO NOT use as an engine crankcase oil.



SPECIFICATIONS AND APPROVALS

KLONDIKE Full Synthetic Manual Transmission Lubricant meets the performance requirements of and is recommended for use in applications where the following specification numbers are referenced:

- **API Service Category MT-1**
- **Arvin Meritor (Rockwell) O-81**
- **Eaton PS-164 (rev 7), PS-081, PS-386**
- **International TMS 6816**
- **Mack Truck TO-A PLUS**
- **Volvo I-Shift**
- **ZF Freedomline**
- **Spicer Transmission Extended Drain – MS 961 T**

FEATURES AND BENEFITS

KLONDIKE Full Synthetic Manual Transmission Lubricant is produced exclusively from advanced, ultra-pure full synthetic base oils which have excellent thermal and oxidation stability, high viscosity index, and low pour point.

KLONDIKE Full Synthetic Transmission Lubricant's low pour point and high viscosity index impart excellent lubrication protection during startup in extreme cold conditions, while also providing outstanding performance characteristics and excellent lubricant film strength across a wide temperature range. Optimized oil viscosity with low coefficient of friction can lead to reduced operating temperature and improved fuel economy as compared to conventional mineral-based lubricants.

KLONDIKE Full Synthetic Manual Transmission Lubricant provides the following benefits:

- **Extended drain capabilities** – guaranteed performance for drain intervals of 800,000 km's and greater in on-highway applications.
- **Excellent thermal and oxidation stability** – superior lubricating and frictional characteristics improve fuel mileage and offer improved operating efficiency.
- **High viscosity index and low pour point** – excellent performance over a wide temperature range including subzero service, promoting smoother, easier shifting.
- **Heavy duty protection** – advanced additive package ensures excellent protection against copper and copper alloy corrosion extends the life of synchronizers and other transmission components.



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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SAE 50
Gravity, °API	ASTM D4052	33.5
Specific gravity	ASTM D4052	0.856
Flash Point, °C	ASTM D92	185
Viscosity @ 40°C (cSt)	ASTM D445	138
Viscosity @ 100°C (cSt)	ASTM D445	18.0
Viscosity Index	ASTM D2270	145
Brookfield Viscosity @ -40 °C	ASTM D2983	117,000
Colour	ASTM D1500	1.5
Pour Point, °C	ASTM D5950	- 50
Phosphorus wt %	ASTM D5185	0.05

All stated physical properties are typical of standard production and may vary.

HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit www.klondikelubricants.com or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

KLONDIKE Lubricants Corporation

Toll-free 1-877-293-4691

info@klondikelubricants.com
www.klondikelubricants.com

