

# KLONDIKE Full Synthetic GL-5 Gear Lubricants: SAE 75W-90, 75W-140



## PRODUCT DESCRIPTION

KLONDIKE Full Synthetic GL-5 Gear Lubricants are premium full synthetic multi-grade gear lubricants designed specifically for high performance, heavy duty, and extreme pressure gear applications.

## APPLICATIONS

KLONDIKE Full Synthetic GL-5 Gear Lubricants are recommended as rear axle and differential lubricants in on- and off-road vehicles operating in severe conditions and extreme climatic environments.

These applications include:

- On-highway light and heavy-duty trucks, buses and vans.
- Off-highway vehicles including construction, mining, quarrying and agricultural equipment.
- Heavy duty industrial equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures.
- Manual transmissions, gear boxes, and steering mechanisms where API GL-5/MT-1 fluids are specified



## FEATURES AND BENEFITS

KLONDIKE Full Synthetic GL-5 Gear Lubricants are produced exclusively from full synthetic base oils which have excellent thermal and oxidation stability, high viscosity index, and low pour point. KLONDIKE Full Synthetic GL-5 Gear Lubricants are transportation industry oriented and designed to exceed the critical demands of heavy-duty truck and automotive drivetrain requirements. These premium lubricants ensure superior protection and performance even in the most severe applications ranging from the sub-arctic to desert environments. KLONDIKE Full Synthetic GL-5 Gear Lubricants outperform conventional gear lubricants to promote longer gear life and improved operating efficiency and economy. In addition, these advanced gear oils are formulated with limited-slip additives that meet the performance specifications for service-fill limited-slip applications.

KLONDIKE Full Synthetic GL-5 Gear Lubricants include proprietary chemistry which meets the frictional requirements of limited slip differentials. In most cases, the addition of limited slip additive chemical is not required.

KLONDIKE Full Synthetic GL-5 Gear Lubricant provides the following benefits:

- **Extended drain capabilities** – maximizes drain interval to improve cost effectiveness.
- **Excellent thermal and oxidation stability** – outstanding product stability provides high resistance to oxidation even during the hottest climatic conditions to last significantly longer than conventional gear oils.
- **High viscosity index and low pour point** – full synthetic base oil ensures excellent lubricant flow at all operating temperatures.
- **Extreme pressure** – extremely high film strength and outstanding low temperature performance ensure extra gear life in the toughest applications.
- **Compatibility** – universally compatible with conventional mineral oil based and other synthetic GL-5 gear lubricants.



# KLONDIKE Full Synthetic GL-5 Gear Lubricants

## SPECIFICATIONS AND APPROVALS

KLONDIKE Full Synthetic GL-5 Gear Lubricants meet and exceed the requirements of API Service Categories GL-5 and MT-1. These products use friction modified chemistry and meet the requirements of most limited slip applications, without the need for additional additive.\*

KLONDIKE Full Synthetic GL-5 Gear Lubricants meet or exceed (but not limited to) the requirements of the following industry specifications:

### SAE 75W-90

- ArvinMeritor 076-E, O-76N Extended Drain
- SAE J2360, MIL-2105E/F
- Eaton Roadranger – E500/SHAES 256 Rev C
- International – TMS-6816
- Mack GO-J Plus, GO-J (and previous)
- STEMCO PPS+ and PPS wheel end systems
- Scania STO 1:0
- AIST/US Steel 224
- AGMA 9005-E02, 250.03, 250.04, 251.02, No. 4
- CEC L-45-A-99 (20 hour shear)

- MAN 342 Type M2

### SAE 75W-140

- ArvinMeritor O-76N Extended Drain
- Eaton Roadranger E500/SHAES256 Rev C
- International TMS-6816
- Mack GO-J Plus, GO-J, TO-A Plus
- SAE J2360

Both viscosity grades meet performance requirements of limited slip differentials.

## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	KLONDIKE	
		75W-90 FULL SYN	75W-140 FULL SYN
Gravity, API	ASTM D287	31.25	34.3
Specific Gravity @ 15.6°C	ASTM D4052	0.869	0.8564
Oil Viscosity:			
cSt. @ 40°C	ASTM D445	110.0	171.8
cSt. @ 100°C	ASTM D445	16.45	27.75
Viscosity Index	ASTM 2270	162	200
Colour	ASTM D1500	1.0	1.5
Pour Point, °C	ASTM D5950	-50	-46
Brookfield Viscosity at -40°C, cP	ASTM D2983	92,000	120,000

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

Not for use in applications specifying GL-4 type lubricants only.

\* Limited slip performance requirements vary by manufacturer and application. Some applications may require additional additive.



## KLONDIKE Full Synthetic GL-5 Gear Lubricants

### 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](http://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**

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