

# KLONDIKE Railroad Engine Oil



## PRODUCT DESCRIPTION

KLONDIKE Railroad Engine Oil is an advanced, ashless, heavy duty engine oil specifically designed for large diesel engines in railroad, marine, and power generation applications.

## APPLICATIONS

KLONDIKE Railroad Engine Oils meet the requirements of the latest specifications are designed for use in heavy duty 2 and 4 stroke diesel engines where zinc-free engine oil is required. Such applications include a range of railroad, inland and off-shore marine, and stationary engines in power generation.



## SPECIFICATIONS AND APPROVALS

KLONDIKE Railroad Engine Oils meets the requirements of the following specifications and are recommended for use in (but not limited to);

- EMD (GM Electro-Motive Division) engines where zinc-free oils are mandatory for the protection of silver bearings
- LMAO Generation, 4, 5, and 6
- GE Generation 4 Long-Life
- API CF performance
- High performance, medium speed diesel engines where zinc-free oils are specified

Other applicable uses may exist. Please contact KLONDIKE for more information.

## FEATURES AND BENEFITS

KLONDIKE Railroad Engine Oils are formulated with the finest virgin base oils and incorporates advanced zinc-free anti-wear, oxidation, and corrosion inhibiting additives. This advanced additive system effectively protects engine components from wear in severe service, prevents the formation of sludge, varnish and carbon deposits, and extends oil drain intervals. TBN rating of 9 to compliment low and ultra-low sulfur diesel fuel.

KLONDIKE Railroad Engine Oils deliver value through the following benefits;

- **Long equipment life** – advanced anti-wear additives protect surfaces even when heavy loads cause lubricant film breakdown.
- **Minimized downtime** – advanced additives help prevent oxidation as well as the formation of deposits, varnishes and sludge, which can damage metal surfaces and oil seals.
- **Optimal oil service life** – high soot dispersancy and oxidative stability resists oil thickening and viscosity loss in service, minimizing fluid change outs
- **Zinc-free Chemistry** – non corrosive to silver plated bearings or yellow metals
- **Compatibility** – fluids are miscible with other previous generation technologies



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## TYPICAL TECHNICAL PROPERTIES

Property	TEST METHOD	SAE 40	SAE 20W-40
Specific @ 15.6°C	ASTM D4052	0.875	0.87
Viscosity @ 40°C, cSt	ASTM D445	125	117
Viscosity @ 100°C, cSt	ASTM D445	13.6	14.1
Viscosity Index	ASTM D2270	105	125
Pour Point, °C	ASTM D5950	-18	-27
Flash Point, COC, °C	ASTM D92	270	265
TBN	ASTM D2896	9.0	9.0
Zinc, wt %	ASTM D5185	<0.001	<0.001

All stated properties are typical of normal production and may vary.

KLONDIKE reserves the right to change product specifications and/or performance properties at its discretion and without notice.

### 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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