

# KLONDIKE Single-Grade Diesel Engine Oils



## PRODUCT DESCRIPTION

KLONDIKE Single-Grade Diesel Engine Oils are designed to meet the needs of older engines operating in severe service in on- or off-highway applications where single-grade heavy duty oils are specified.

## APPLICATIONS

KLONDIKE Single-Grade Diesel Engine Oils are recommended for use in naturally aspirated, turbo-charged, or super-charged four-stroke diesel engines where heavy duty mono grade engine oils are required. Formulated for exceptional performance and reliability in older engines operating on high, medium, and low sulfur diesel fuel.

Typical applications for this type of oil include older stationary and mobile equipment operating in the mining, construction, farm, forestry, marine, and generator applications.

KLONDIKE Single-Grade Diesel Engine Oils meet the performance requirements of the following engine manufacturers when the appropriate recommended viscosity grade is chosen:

Cummins, Mack, Detroit Diesel, Caterpillar, John Deere, Navistar International, Allis-Chalmers, Case IH, Fiat-Allis, GMC, Volvo, White, Deutz, Continental, Hino, Komatsu, Perkins, Fairbanks.

KLONDIKE Single-Grade Diesel Engine Oils are also excellent replacement fluids for various manual, semi-automatic, and power-shift transmissions referencing Caterpillar TO-2 or Allison C-4 fluids.

KLONDIKE SAE 10W Diesel Engine Oil is recommended for use in hydraulic systems on Caterpillar equipment where high zinc containing SAE 10W engine oil is specified.



## FEATURES AND BENEFITS

KLONDIKE Single-Grade Diesel Engine Oils are produced from premium paraffinic base oils and advanced additives. This balanced combination promotes extended engine life and increased engine cleanliness.

KLONDIKE Single-Grade Diesel Engine Oils are engineered for performance and offer outstanding engine protection and performance characteristics in their service category. High detergency and anti-wear agents promote long engine and component life while minimizing downtime.

KLONDIKE Single-Grade Diesel Engine Oils provide value through the following benefits:

- **Efficiency** – low co-efficient of friction promotes efficient operation and lubricant cost control.
- **Long equipment life** – outstanding deposit and wear control offers extended service life.
- **Engine cleanliness** – high detergency minimizes sludge and varnish buildup.



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## SPECIFICATIONS AND APPROVALS

KLONDIKE Single-Grade Diesel Engine Oils meet the requirements of the following specifications:

- **API Service Category** – CF-2, CF (SAE 10W, 30, 40)
- **API Service Category** – SG (SAE 10W, 30, 40)
- CID A-A-52306 (SAE 30, 40)
- Daimler – MB 228.2 (SAE 30, 40)
- MAN M 3275-2 (SAE 30, 40)
- MAN – 270 (SAE 30, 40)
- MIL-L-2104 B (SAE 30)
- MTU – Category 1, 2 (SAE 30, 40)
- CAT hydraulics (SAE 10W)

## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	KLONDIKE			
		10W	30	40	50
Specific Gravity @ 15.6°C	ASTM D4052	0.872	0.873	0.881	0.88
Gravity, °API	ASTM D287	30.79	30.53	29.1	27.0
Viscosity @ 40 °C cSt	ASTM D445	50.72	100.3	145	210
Viscosity @ 100 °C cSt	ASTM D445	7.85	12.25	15.5	20.4
CCS Viscosity, cP (°C )	ASTM D5293	6269 (-25)			
Viscosity Index (D2270)	ASTM D2270	122	114	112	108
Flash Point, °C	ASTM D92	210	227	228	234
Pour Point, °C	ASTM D5950	-35	-32	-25	-21
TBN	ASTM D2896	7.5	7.5	7.5	7.5
Sulfated Ash, Wt %	ASTM D874	0.86	0.86	0.86	0.86
Zinc, wt. %	ASTM D 5185	0.104	0.104	0.104	0.104

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



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### 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**

Toll-free 1-877-293-4691

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[info@klondikelubricants.com](mailto:info@klondikelubricants.com)  
[www.klondikelubricants.com](http://www.klondikelubricants.com)

