

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil



PRODUCT DESCRIPTION

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil is designed specifically for use in medium and high speed (rpm) gas engines fueled by processed or pipeline natural gas or other gas sources that may contain corrosive materials.

APPLICATIONS

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil is designed and recommended for use in heavy duty four-stroke engines operating on natural gas containing high concentrations of acidic content, or where the gas may vary in quality content. It is also recommended for high-speed four-stroke gas engines used in cogeneration applications and for engines fueled by synthetic gas.

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil is suitable for use with fuels containing low levels of sulfur and Chloro-Fluoro Carbons (CFC's).

Some typical applications where mid ash sour natural gas engine oils are used include:

- Natural Gas compression and transmission
- Wellhead gas pumpers
- Oil pumpers
- Irrigation systems
- Total energy systems
- Waste water treatment cogeneration plants
- Landfill gas cogeneration systems
- Manure gas cogeneration



FEATURES AND BENEFITS

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil is formulated with thermally stable, high VI base oils that are naturally resistant to oxidation. These advanced, ultra-pure base oils are combined with a custom additive system that extends oil oxidation life and ensures outstanding engine component wear protection. This exclusive detergent/dispersant additive system provides an outstanding level of deposit control while also effectively neutralizing the corrosive by-products of combustion. Special valve cushioning additive components help reduce exhaust valve seat and face wear during severe service. Low phosphorus composition meets Non-Selective Catalytic Reduction (NSCR) catalyst compatibility requirements.

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil provides value through the following benefits:

- **Extended engine life** – Reduced friction for excellent protection against engine wear and improved economy. Special additives maximize retention of effective TBN, providing extra corrosive wear protection even during long service intervals.
- **High viscosity index** – Highly resistant to viscosity and thermal breakdown from extended high temperature operation for long lubricant life .
- **Engine cleanliness** – Lower oil volatility and viscosity loss at elevated temperatures promotes reduced oil consumption rates, cleaner combustion chambers, and less exhaust emissions.
- **Outstanding antiwear** – Optimum level of active detergent reduces piston ring and cylinder liner wear. Effective detergent alkalinity minimizes corrosive wear, providing additional protection when using poorer quality fuel sources. Meets sensitive OEM bearing wear requirements assuring long bearing life.



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SPECIFICATIONS AND APPROVALS

KLONDIKE SAE 40 Mid Ash Sour Natural Gas Engine Oil is formulated to meet the performance requirements of API Service Category CF/CD and is recommended for use in four-stroke natural gas-fueled engines manufactured by:

- Caterpillar
- Cummins Rio-Grande
- Dresser-Rand (Categories I, II, and III)
- Enterprise
- Fairbanks Morse
- GE Jenbacher
- MWM (DEUTZ)
- Minneapolis-Moline
- Rolls Royce
- Stewart & Stevenson
- Superior
- Wärtsilä
- Waukesha
- White
- Worthington

TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SAE 40 Mid ASH
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8724
Viscosity @ 40°C cSt	ASTM D445	130
Viscosity @ 100°C cSt	ASTM D445	13.6
Pour Point, °C	ASTM D97	-30
Flash Point, °C	ASTM D92	235
Viscosity Index	ASTM D2270	102
Sulfated Ash, wt. %	ASTM D 874	0.78
Zinc, wt. %	ASTM D5185	0.027
Phosphorus, wt. %	ASTM D5185	0.025
TBN, mgKOH/g	ASTM D 2896	8.5
TAN mgKOH/g	ASTM D664	1.5

All stated properties are typical of standard 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 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.

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