

KLONDIKE Open Gear Lubricant



PRODUCT DESCRIPTION

KLONDIKE Open Gear Lubricant is a premium, non-asphaltic open gear lubricant for use on exposed gears operating under heavy loads and in extreme conditions.

APPLICATIONS

KLONDIKE Open Gear Lubricant is specifically engineered for and recommended for use on exposed open gears such as those found on large kilns and ball mills. Being diluent based, this product is designed for use in automatic lubrication systems using either drip tubes or spray nozzles. Also suitable for use with airless spray systems.

KLONDIKE Open Gear Lubricant should be sprayed intermittently onto the gears. This ensures partial evaporation of the solvent diluent, resulting in significant increase in the viscosity of the lubricant on the gears. A lubrication frequency of 15 – 20 minutes is typical.



SPECIFICATIONS AND APPROVALS

KLONDIKE Open Gear Lubricant meets the specification requirements of (but not limited to) the following equipment manufacturers:

- FL Smidth
- Falk
- Metso Minerals

FEATURES AND BENEFITS

KLONDIKE Open Gear Lubricant utilizes proven, robust lubricant chemistry which is free of heavy metals and asphalt. Instead of asphalt, it contains a blend of high viscosity petroleum distillates, synthetic polymers, and resins. This non-asphaltic formula does not harden over time, greatly simplifying cleanup efforts.

KLONDIKE Open Gear Lubricant employs a unique additive combination that greatly reduces friction and wear while also promoting the smoothing of contact surfaces. By creating an effective layer of chemical and physical protection, the lubricant prevents micro-welding and scuffing. With this protective cushion in place, the high load on the gears causes the asperities on the gear surfaces to be pushed down, thus smoothing them with minimal wear. This helps extend gear tooth life and efficient lubricant use.

KLONDIKE Open Gear Lubricant delivers value through the following benefits:

- **Extreme load carrying capacity** – extreme wear protection extends gear life and reduces operating expenses.
- **Gear Inspection** – brown coating is visible on the gear but transparent enough to inspect the gears with a strobe light.
- **Easy cleanup** – non-asphaltic base remains soft enough to flow from the gear guard for easy cleanup.
- **Environmentally safe** – chemistry contains no heavy metals or ozone depleting substances.



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TYPICAL TECHNICAL PROPERTIES

PROPERTY	NLGI 1	OGL
Viscosity cSt @ 40°C (before diluent)	ASTM D445	>100,000
Viscosity cSt @ 100°C (before diluent)	ASTM D445	1100
Viscosity cSt @ 40°C (with diluent)	ASTM D445	>4000
Four Ball EP weld point, kg	ASTM D2596	>800
Four Ball Wear scar width, mm	ASTM D2266	0.45
Flash Point °C	ASTM D92	175
Copper strip corrosion	ASTM D4048	1B
Specific Gravity	ASTM D4052	0.896

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.

PRODUCT NUMBERS

OPEN GEAR LUBRICANT	Pail: 15.9 KG / 35 LB	KL-GR9280
	Keg: 54.5 KG / 120 LB	KL-GR9285

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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