

# KLONDIKE Moly Tac EP Grease: NLGI 1



## PRODUCT DESCRIPTION

KLONDIKE Moly Tac EP Grease is an advanced lithium based grease formulated with 3% molybdenum disulfide to provide excellent lubricating qualities over a wide range of temperatures. This specialized grease is designed to work under the toughest conditions with excellent mechanical and chemical stability. KLONDIKE Moly Tac EP Grease is designed to stay in place under the worst operating conditions of water-dirt-mud, providing you with maximum protection and peace of mind. The addition of Moly ensures additional protection against sliding friction and wear.

## APPLICATIONS

KLONDIKE Moly Tac EP Grease is specifically designed for extreme duty use in a wide variety of on-road, off-road vehicle and heavy equipment applications. It is also an ideal grease for heavy duty industrial applications including general manufacture, pulp and paper mills, sawmills, forestry equipment, mining equipment, agricultural equipment, and marine use where moly grease is required to reduce wear caused by sliding metal parts, rubbing surfaces, or severe vibration.

It is recommended for use in severe operations such as heavy duty, shock loaded equipment found in industrial plants such as mills, conveyors, and crusher bearings or in off-highway operations. These applications include construction equipment such as bulldozers, scrapers, loaders, and shovels.

KLONDIKE Moly Tac EP Grease is also recommended for use on roller chains, trunions, gears, cables, sheaves, and slides. These greases are particularly suited for heavily loaded pins, shafts, or other surfaces under high stress subjected to vibration, or sliding action.



## SPECIFICATIONS AND APPROVALS

KLONDIKE Moly Tac EP Grease meets Caterpillar recommendations for greases containing 3% molybdenum disulfide.

## FEATURES AND BENEFITS

KLONDIKE Moly Tac EP Grease is formulated with high viscosity base oils, lithium thickener, rust and oxidation inhibitors, and extreme pressure and tackiness additives. It is grey in color with a tacky texture, and meets NLGI viscosity grade requirements.

KLONDIKE Moly Tac EP Grease is specially formulated to withstand extreme pressure in extended service applications. 3% molybdenum disulfide assures protection against vibration and shock loading induced wear and scuffing. This product delivers outstanding performance in demanding conditions of high and low temperatures including good pumpability in a variety of automatic lubrication systems.

This product has excellent high temperature stability and has a dropping point of over 200°C. Typical ambient operating temperature range is from -35°C to 150°C.

KLONDIKE Moly Tac EP Grease provides value through the following benefits:

- **Extended service protection** – adhesive-tacky grease that stays in place means less frequent greasing intervals and extended equipment life.
- **Extremely high load carrying capacity** – exceeds 70 pounds OK Load in the ASTM D-2509 Timken Test.
- **Excellent corrosion and wear protection** – 3% moly content ensures outstanding wear, rust, and corrosion protection even when grease has been displaced.
- **Excellent water resistance** – stays in place to lubricate in adverse conditions.
- **Excellent high temperature stability** – oxidation inhibitors permit operations up to 150°C for extended periods.



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## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	NLGI 1
Thickener		Lithium Complex
Color		Charcoal/dark gray
Molybdenum, %		3
Worked Penetration, 60	ASTM D217	315
Dropping Point, (°C)	ASTM D2265	260
Base Oil Viscosity (with polymer)		
Viscosity @ 100°C cSt	ASTM D2270	28.5
Viscosity @ 40°C cSt	ASTM D2270	320
Viscosity Index (min)		120
Oxidation Stability, psi 100 hrs.	ASTM D942	3
Rust Preventive Properties	ASTM D1743	PASS
Water Wash-Out, %	ASTM D1264	4.0
4-ball EP OK load, Kg	ASTM D2596	400
4-ball EP Load Wear Index, kgf	ASTM D2596	40
4-ball Wear, scar diameter, mm	ASTM D2266	0.50
Timken OK Load, lbs	ASTM D2509	70

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.

## PRODUCT NUMBERS

MOLY TAC EP-1	Tube: 397 G / 14 OZ	KL-GR2430
	Keg: 54.5 KG / 120 LB	KL-GR2485

## 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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