

# KLONDIKE Industrial EP Gear Lubricants: ISO 68, 100, 150, 220, 320, 460



## PRODUCT DESCRIPTION

KLONDIKE Industrial EP Gear Lubricants are premium formulations designed for many types of industrial bearing and gear applications operating in heavy duty and shock-loaded conditions.

## APPLICATIONS

KLONDIKE Industrial EP Gear Lubricants excel in the lubrication of heavily loaded enclosed gear drives and reducers on drives of all sizes. These gear sets include a variety of types such as spur, bevel, herringbone, planetary, and worm designs. Industrial EP Gear Lubricants are suitable for use with bath, splash, circulating, and spray-type lubrication systems.

KLONDIKE Industrial EP Gear Lubricants are ideal for applications such as steel mills where gear cases are often near red-hot steel as well as in circulating systems where water contamination is a hazard. KLONDIKE Industrial EP Gear Lubricants are suitable for a wide variety of industrial and mobile equipment, gear systems, chain drives, sprockets, plain and anti-friction bearings, slide guides, and flexible coupling joints as well as transmission gear cases in open pit and underground mining machinery.



## SPECIFICATIONS AND APPROVALS

KLONDIKE Industrial EP Gear Lubricants meet the requirements of and are recommended for use in the following applications where the appropriate viscosity is specified:

- AGMA 9005 D-24, 250.04, 251.02
- US Steel 224
- DIN 51517 Part 3
- ISO 12925-1 type CKK
- API Service GL-2
- Cincinnati Machine/Milacron

## FEATURES AND BENEFITS

KLONDIKE Industrial EP Gear Lubricants are produced exclusively from premium base oils and advanced additive technology to deliver anti-wear and extreme pressure protection in sustained, long-life applications. These oils have excellent thermal and oxidation stability allowing them to resist thickening produced by sustained, high temperature operation. Industrial EP Gear Lubricants are non-corrosive to gear and bearing materials such as steel, copper, bronze, Babbitt, and cadmium-nickel. These oils provide superior foam resistance, water separation, low temperature fluidity allowing their use in gears and bearings exposed to a wide range of climatic conditions.

KLONDIKE Industrial EP Gear Lubricants tenaciously hold a strong film of lubricant on metal surfaces. Along with foam control, this lubricant film maximizes gear protection and ensures extended service life in the most arduous applications.

KLONDIKE Industrial EP Gear Lubricants provide value through the following benefits:

- **Long service life** — extended drain intervals can result in significant cost savings.
- **Excellent thermal and oxidation stability** — premium base oil ensures outstanding product stability even in the presence of high loads and high temperatures.
- **Corrosion protection** — maximum corrosion protection of ferrous and non-ferrous metals.
- **Water separation** — water/oil emulsions are prevented, which minimizes corrosive damage.
- **Low foam** — maintains protective lubricant film in all operating conditions.



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## TYPICAL TECHNICAL PROPERTIES

| PROPERTY              | TEST METHOD | KLONDIKE |         |         |         |         |         |
|-----------------------|-------------|----------|---------|---------|---------|---------|---------|
|                       |             | ISO 68   | ISO 100 | ISO 150 | ISO 220 | ISO 320 | ISO 460 |
| AGMA Grade            |             | 2 EP     | 3 EP    | 4 EP    | 5 EP    | 6 EP    | 7 EP    |
| API Gravity           | ASTM D1298  | 31.0     | 28.8    | 28.8    | 27.8    | 27.1    | 26.5    |
| Viscosity @ 40°C cSt  | ASTM D445   | 68       | 100     | 150     | 220     | 320     | 460     |
| Viscosity @ 100°C cSt | ASTM D445   | 9.3      | 11.6    | 15.3    | 19.5    | 25.5    | 32.0    |
| Viscosity Index       | ASTM D2270  | 110      | 104     | 103     | 100     | 103     | 100     |
| Flash Point, °C       | ASTM D92    | 220      | 220     | 272     | 280     | 280     | 290     |
| Pour Point, °C        | ASTM D5950  | -33      | -30     | -27     | -24     | -16     | -15     |

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](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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