

KLONDIKE BIO Synthetic Blend Hydraulic Oils



PRODUCT DESCRIPTION

KLONDIKE BIO Synthetic Blend Hydraulic Oils are readily biodegradable, non-toxic, high performance hydraulic oils that meet industry requirements for environmentally acceptable lubricants (EAL). These advanced fluids are designed to give maximum protection and performance in hydraulic equipment used in environmentally sensitive areas.

APPLICATIONS

KLONDIKE BIO Synthetic Blend Hydraulic Oils are designed for maximum performance and system protection in industrial and mobile hydraulic equipment. Typical industries where this advanced technology is ideal for use include construction, mining, dredging, marine, agriculture, exploration, oil and gas, and production plant operations.

KLONDIKE BIO Synthetic Blend Hydraulic Oils are designed for use in hydraulic systems utilizing vane, piston, and gear-type pumps in mobile and stationary use.

For optimum performance, always follow the viscosity grade recommendation of the system manufacturer.



FEATURES AND BENEFITS

KLONDIKE BIO Synthetic Blend Hydraulic Oils are readily biodegradable, non-toxic, and non-bio accumulative. The proprietary combination of premium ester synthetic and highly stable vegetable base stocks, along with ashless, zinc free additive technology ensures that, in the event of a spill, the product will degrade in excess of 60% within 28 days; minimizing potential impact to the environment. This standard is outlined in OECD 301B for a product to qualify for readily biodegradable status.

KLONDIKE BIO Synthetic Blend Hydraulic Oils are designed to give maximum anti wear and extreme pressure protection in hydraulic equipment used in both mobile and stationary hydraulic pumps in high-performance industrial applications. Technically advanced chemistry provides exceptional oxidation stability, water separability, foam suppression, and protection against wear, rust and corrosion. High VI formulations allow operation over a wide ambient and operating temperature range and ensure outstanding operating system efficiency.

KLONDIKE BIO Synthetic Blend Hydraulic Oils are designed to exceed the performance expectations of conventional, antiwear hydraulic oils, while ensuring a very high level of environmental protection in case of leakage or accidental discharge into the natural environment.

KLONDIKE BIO Synthetic Blend Hydraulic Oils provides value through the following benefits:

- **Environmentally acceptable** – fluid chemistry meets the requirements of the EPA Vessel General Permit (VGP) for biodegradation, toxicity, bioaccumulation.
- **Advanced performance** – Ashless formulation provides outstanding protection for hydraulic pumps and systems for high operating efficiency.
- **Long oil life** – advanced base oil is highly stable and resistant to oxidation at high temperatures.
- **High efficiency** – High viscosity index for advanced system performance across a wide temperature range.
- **Zinc-free** – Suited for applications involving yellow metals found in some hydraulic pumps.



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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	BIO SYN BLEND AW46
ISO Grade		46
Viscosity cSt. @ 40°C	ASTM D445	47.0
Viscosity cSt. @ 100°C	ASTM D445	9.9
Viscosity Index	ASTM D2270	204
Pour Point	ASTM D97	-34
Biodegradability, 28 Days	OECD 301B	> 70%
Biodegradable status	OECD 301B	Readily

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.

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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