

INTERLUBE IL-HFSYN46 (-59°C)

FULL SYNTHETIC HYDRAULIC FLUID

IL-HFSYN46

OVERVIEW

Interlube IL-HFSYN46 (-59) is a biodegradable synthetic oil specifically designed to meet the environmental requirements of mobile and stationary hydraulic systems operating in sensitive areas. Based on synthetic esters and carefully designed additives IL-HFSYN46 (-59) is a premium performance hydraulic oil suitable for hydraulic systems operating under severe conditions and requiring fluids with excellent thermal stability over a wide temperature range. Because of its excellent biodegradability and very low ecotoxicity, IL-HFSYN46 (-59) is particularly recommended anywhere leaking, spills or ruptured hydraulic lines may present an environmental hazard. Typical applications include forestry works, construction, logging and farming equipment, public works, lawn and turf care, water navigation, offshore, water catchments areas, ski resorts, etc.

IL-HFSYN46 (-59) is recommended for stationary and mobile applications using gear, vane and piston hydraulic systems operating under high pressure and temperatures ranging from -59 °C to 100°C. Consult the manual of the manufacturer for the appropriate grade.

IL-HFSYN46 (-59) is compatible with the most conventional mineral and synthetic hydraulic fluids, however, for optimum performance, it is recommended to drain and clean the system before transition to IL-HFSYN46. Interlube recommends the use of IL-HFSYN46 (-59) flushing and rinsing fluid. Interlube can certify that your equipment uses a biodegradable fluid that meets the OECD 301B standard.

FEATURES AND BENEFITS:

- Biodegradable formulation (OECD 301b ≥ 80%)
- Low aquatic toxicity
- Formulated from a minimum of 80% renewable resources
- Efficient operation over a wide temperature range (-59°C to 100 °C).
- Hydrolytic and thermal stability
- Resists oxidation resulting in fewer oil changes
- Exceptional wear protection
- Protects against rust and foaming
- Compatible with most seals and joints
- Easily separates from water and debris
- Keeps system clean for extended periods

APPROVALS AND CERTIFICATIONS

Interlube IL-HFSYN46 (-59) meets or surpasses the following:

- Cincinnati Machine P-68, P-69, P-70
- Specification 127, 136 / German Steel SEB 181222
- DIN 51524 Parts 1 and 2, Type HLP
- DIN 51506, VDL
- Denison HF-0, HF-1, HF-2
- ISO 11158:1997, Family H, Type HM
- Bosch Rexroth RE 90220, Type HLP
- Eaton Vickers, I-286-S, M-2950, 35VQ25A



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Interlube.com 1-819-975-2438

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TYPICAL PROPERTIES

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	Test Method	HFSYN46
ISO Grade		46
Viscosity @ 40°C cS	ASTM D445	44.2
Viscosity @ 100°C cS	ASTM D445	8.51
Viscosity Index (VI)	D2270	173
Pour Point °F (°C)	D97	-59
Flash Point °F (°C)	D92	220
Density (g/ml)	DIN 51354	0.907
Color	Light yellow	Light yellow
OECD 301B (28 Days) % Biodegradation	ASTM D665	80%

The values quoted above are typical values for normal production. They do not constitute a norm. Interlube makes no representations, warranties or guarantees, express or implied, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose, or any implied warranties as to the correctness or adequacy of the data provided herein. All risk and responsibility for the use, conditions of use and handling of this product rests with the buyer and any user. No agent, representative or employee of the Company has authority to change any of the terms of this notice. To continue to provide superior quality, Interlube reserves the right to change the composition of its products without notice.

TECHNICAL SERVICES:

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit Interlube.ca



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