HYDRO ISO 37

HLP Type Hydraulic Oil

REXOIL HYDRO ISO 37 is a premium quality, low-viscosity hydraulic fluid formulated from highly refined base oils and advanced additive technology to provide reliable performance in hydraulic systems operating under light to moderate loads. It is designed to deliver excellent wear protection, oxidation resistance, and corrosion protection while maintaining stable viscosity characteristics over a wide operating temperature range.

This oil is recommended for use in precision hydraulic systems, machine tools, light-duty industrial hydraulic equipment, circulating systems, and mobile or stationary hydraulic units requiring **ISO VG 37** viscosity grade oils. It is particularly suitable for applications where fast response, smooth operation, and efficient power transmission are essential, including systems equipped with pumps, valves, and servo mechanisms operating at low temperatures or requiring fine hydraulic control.

Features and Benefits

- **Excellent Anti-Wear Protection:** Helps reduce pump and component wear, extending equipment life and lowering maintenance costs.
- **Outstanding Oxidation Stability:** Resists oil degradation at elevated temperatures, ensuring longer service life and reduced sludge formation.
- **Reliable Corrosion and Rust Protection:** Protects hydraulic system components against moisture and corrosive conditions.
- **Good Thermal Stability:** Maintains performance under varying operating temperatures and helps prevent deposit formation.
- **Fast Air Release and Low Foaming Tendency:** Ensures smooth hydraulic operation, stable pressure transmission, and reduced cavitation risk.
- **Efficient Water Separation:** Provides good demulsibility, allowing quick water separation to help maintain system cleanliness.
- **Stable Viscosity Performance:** Maintains consistent lubrication characteristics for precise hydraulic control and efficient system response.
- **Compatible with Standard Seal Materials:** Suitable for use with commonly used hydraulic system seals and materials.

Approval and Specifications

DIN 51524 Part II (HLP); ISO 11158 HL&HM; ASTM D6158 HL&HM; Bosch Rexroth RDE 90245; Bosch Rexroth RDE 90235; Eaton Brochure 03-401-2010; Eaton E-FDGN-TB002-E; Denison HF-0, HF-1, HF-2; JCMAS HK; Swedish Standard SS 155434; US Steel 136; US Steel 127; Eaton Vickers M-2950-S; Eaton Vickers I-286-S3; GM LS-2; AFNOR NFE 48-690

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Technical Specifications

Test	Method	Typical Properties
ISO GRADE		**37**
Kinematic Viscosity (40°C), [cSt]	ASTM D445	33,3 – 40,7
Viscosity Index	ASTM D2270	Min. 95
Flash Point, °C	ASTM D92	Min.210
Pour Point, °C	ASTM D97	Max. -26
Copper Strip Corrosion (3h, 100°C)	ASTM D130	Max.1b

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

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