HYDRO BIO 100

Biodegradable High Performance Hydraulic Oil

REXOIL HYDRO BIO 100 is a biodegradable hydraulic oil formulated with high-quality natural esters and advanced oxidation inhibitors to ensure reliable performance and extended service life. It is specifically developed for **ISO VG 100** hydraulic systems operating in environmentally sensitive areas. This hydraulic fluid complies with the **Environmental Protection Agency (EPA) Vessel General Permit (VGP)** requirements for **Environmentally Acceptable Lubricants (EALs)** and meets biodegradability standards in accordance with **OECD 301 B**.

Features and Benefits

- **Biodegradable formulation:** Readily biodegradable in accordance with OECD 301 B, helping to minimize environmental impact in case of leakage or spillage.
- **Environmentally acceptable lubricant (EAL):** Designed to comply with EPA Vessel General Permit (VGP) requirements, making it suitable for marine and environmentally sensitive applications.
- **High-performance natural ester base oils:** Provide excellent lubricity and film strength, reducing wear and extending equipment life.
- **Outstanding oxidation stability:** Special oxidation inhibitors help resist oil degradation, supporting longer oil service intervals and reliable operation.
- **Excellent anti-wear protection:** Protects hydraulic components such as pumps, valves, and seals, ensuring smooth and efficient system performance.
- **Good corrosion and rust protection:** Helps safeguard metal surfaces against moisture-related corrosion in demanding environments.
- **Wide temperature performance:** Maintains stable viscosity and reliable hydraulic response across a broad operating temperature range.
- **Seal compatibility:** Compatible with commonly used seal materials in hydraulic systems, reducing the risk of leakage.

Approval and Specifications

ISO 15380 HEPR; OECD 301B; DIN 51524-2 HLP; DIN 51524-3 HVLP-D; ISO 6743-4

Technical Specifications

Test	Method	Typical Properties
ISO GRADE		**100**
Kinematic Viscosity (40°C), [cSt]	ASTM D445	90.0 - 110.0
Viscosity Index	ASTM D2270	Min. 150
Flash Point, °C	ASTM D92	Min. 250
Pour Point, °C	ASTM D97	Max. -40

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.

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
Adres: Birlik Organize Sanayi Bölgesi Doğu Cd. No:19-21 Tuzla – İSTANBUL - TÜRKİYE Tel: +90 216 593 35 70 Fax: +90 216 593 35 78
www.rexoil.com.tr