REXHONE ISO 12

REXOIL REXHONE ISO 12 is a high-quality, low-viscosity mineral-based honing oil specially formulated for precision honing, superfinishing and fine abrasive machining operations. Its carefully selected base oils and performance additives provide excellent lubrication, cooling and flushing characteristics during the honing process. The low-viscosity formulation helps carry away abrasive particles and metal fines from the working zone, while reducing friction and heat generation to support consistent surface finish, dimensional accuracy and extended abrasive tool life.

REXOIL REXHONE ISO 12 is suitable for precision honing and superfinishing operations on ferrous and non-ferrous metal components, including cylinder bores, hydraulic components, gears, bearings, shafts, precision sleeves and other machined surfaces. It is suitable for both horizontal and vertical honing machines and can be used with conventional and diamond abrasive tools where a clean, low-viscosity honing fluid is required.

Features and Benefits

- Excellent lubrication and cooling performance during precision honing operations.
- Low viscosity provides rapid circulation and effective flushing of abrasive particles and metal fines.
- Helps achieve consistent surface finish and dimensional accuracy.
- Reduces friction and heat generation in the honing zone.
- Helps extend the service life of honing stones and abrasive tools.
- Provides good separation and settling of metal fines, supporting cleaner operation.
- Low foaming characteristics promote efficient fluid circulation.
- Provides protection against rust and corrosion of machined components.
- Suitable for precision honing and superfinishing of ferrous and non-ferrous metals.

Approval and Specifications

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Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	10,5 – 15,5
Viscosity Index	ASTM D2270	Min. 100
Flash Point, °C	ASTM D92	Min.170
Pour Point, °C	ASTM D97	Max. -20
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.

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