

FBK OIL RO

MULTI-PURPOSE INDUSTRIAL OIL

FBK OIL RO is a high-grade industrial oil composed of solvent refined paraffinic base oil, selected anti-oxidants, corrosion inhibitors, anti-wear agents and a defoamant. The superior performance of this oil fulfills almost all demands for general industrial bearing oils, gear lubricants and compressor fluids. Accordingly, **FBK OIL RO** is particularly recommended where a single industrial oil is required for multipurpose services in industrial sites. There are 8 grades available to meet a wide range of applications, with viscosities ranging from 32 mm²/s to 460 mm²/s at 40°C

● SPECIAL FEATURES

1. Superior Lubrication

The high viscosity index, anti-wear performance (oil-film strength) and low friction coefficient guarantee superior lubrication in a variety of applications.

2. Excellent Oxidation and Thermal Stability

FBK OIL RO's highly refined base oil, with superb oxidation and heat stability, is supported with carefully selected anti-oxidants to provide outstanding performance even during extended operation. Thermal degradation is minimal and sludge formation is

almost non-existent. Accordingly, **FBK OIL RO** performs excellently in compressors and other high-temperature environments.

3. Corrosion and Rust Protection

FBK OIL RO includes a specially selected corrosion inhibitor, effective even in high-moisture conditions.

4. Good Water Separation

FBK OIL RO can be removed easily with normal methods, such as a centrifuge or settling tank.

5. Resistance to Foaming

An effective foam inhibitor having superior properties has been added, so there is no worry about intermittent oil supply due to foaming.

● GRADES

FBK OIL RO is available in eight ISO viscosity grades: 32, 46, 68, 100, 150, 220, 320, and 460. The grade number is a close approximation of the viscosity in mm²/s at 40°C.

● APPLICATIONS

1. Bearing lubrication for steel and non-ferrous metal rolling machines, rubber and vinyl rolls and calenders, paper machines, motors, pumps, generators, ventilation equipment.
2. Lubricants used in reduction equipment.
3. Internal and external lubrication of air and gas compressors.
4. Wide application for machine tool lubrication.
5. Hydraulic circuits.
6. Lubrication of Kaplan turbine runner bosses.
7. Other gears and bearings where rapid corrosion is expected.

● SHIPPING CONTAINERS

200-liter drums and 20-liter cans

● **TYPICAL PROPERTIES OF FBK OIL RO**

ISO Viscosity Grade	32	46	68	100	150	220	320	460
Color (ASTM)	L0.5	L0.5	L0.5	L1.0	L1.0	L1.5	L1.5	L2.5
Density (15°C) g/cm ³	0.871	0.875	0.877	0.883	0.884	0.890	0.892	0.896
Kinematic Viscosity (40°C) mm ² /s	32.1	45.8	68.7	102	150	220	320	460
(100°C) mm ² /s	5.46	6.82	8.85	11.3	14.6	19.2	24.7	29.9
Viscosity Index	106	103	106	96	96	98	97	95
Flash Point (COC) °C	224	242	255	266	276	284	286	292
Pour Point °C	-27.5	-22.5	-20.0	-20.0	-12.5	-12.5	-12.5	-12.5
Acid Number mgKOH/g	0.16	0.16	0.16	0.43	0.43	0.43	0.43	0.43
Thermal Stability (170°C,24h)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Rust prevention (distilled water,60°C,24h)	No rust	No rust	No rust	No rust	No rust	No rust	No rust	No rust

Note: The typical properties may be changed without notice. (June 2002)



**Handling
Precautions**

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	<ul style="list-style-type: none"> • Do not handle until all safety precautions have been read and understood. • Wear protective gloves/protective clothing/eye protection/face protection. • Do not allow the eyes to become exposed to the product. Do not swallow the product. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none"> • IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. • IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. • If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. • IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none"> • The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. • Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none"> • Dispose of contents/container in accordance with local/regional/national/international regulations. • If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.