

# FAIRCOL RA 46

## ROTARY COMPRESSOR OIL

FAIRCOL RA 46 is a rotary compressor oil that provides the best possible performance for oil-cooled rotary vane compressors and rotary screw compressors. FAIRCOL RA 46 is specially designed to handle the severe operating conditions of rotary compressors and is recommended by the major Japanese rotary compressor manufacturers.

### ● SPECIAL FEATURES

#### 1. Superior Thermal and Oxidation Stability

FAIRCOL RA 46 is very effective in absorbing the heat generated by air compression. After heating up, air is cooled in the oil radiator and re-supplied to the compressor. In this way, FAIRCOL RA 46 is circulated, while these heating and cooling cycles are repeated. In the mist form, FAIRCOL RA 46 can be used in high-temperature, high-pressure environments where it will withstand severe attack from oxygen, moisture and suspended particles. It can also withstand the catalytic actions of steel and copper surfaces.

#### 2. Excellent Water Separating Characteristics

FAIRCOL RA 46 will inevitably come into contact with condensed water vapor particularly during halts in compressor operation. Accordingly, any moisture must be removed by an oil-water separator. FAIRCOL RA 46 is specially formulated to ensure efficient and rapid separation of condensed water vapor where it can be easily removed by draining.

#### 3. Effective Rust Protection

As explained above, water condensation in the compressor is unavoidable. FAIRCOL RA 46 provides protection against corrosion of system metals through the use of a highly effective rust inhibitor.

#### 4. Protection Against Copper Catalysis

FAIRCOL RA 46 includes a special additive that reduces any effect of copper catalysis that can occur when copper used in the oil cooler tubes reacts with the oil causing harmful lubricant degradation.

#### 5. Good Foam Resistance

An anti-foaming agent is included to protect against the interruption of lubrication due to air entrained in the oil.

### ● APPLICATIONS

Rotary screw compressors, Rotary vane compressors.

### ● SHIPPING CONTAINERS

200-liter drums and 20-liter cans.

### ● FAIRCOL RA 46 TYPICAL TEST DATA

Color (ASTM)		L1.5
Density (15°C)		0.854
Viscosity (40°C)	mm <sup>2</sup> /s	45.01
(100°C)	mm <sup>2</sup> /s	7.28
Viscosity Index		124
Flash Point(COC)	°C	244
Pour Point	°C	-25
Acid Number	mgKOH/g	0.04
Rust Test (distilled water, 24h)		no rust



## Handling Precautions

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▼ Follow the following precautions when handling this product.

- Read this product's Material Safety Data Sheet before using the product.
- Obey all applicable laws and regulations concerning the handling and disposal of this product, particularly laws and regulations related to fire safety, the treatment and disposal of waste and sewage, the prevention of water and ocean pollution, and workplace safety and hygiene.

Please request the Material Safety Data Sheet where you purchased this product.

IND-2002-1107E