

# FAIRCOL RA32

## ROTARY COMPRESSOR OIL

**FAIRCOL RA32** is a special rotary compressor oil that provides the best possible performance for oil-cooled rotary vane compressors and rotary screw compressors. **FAIRCOL RA32** 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 RA32** 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 RA32** is circulated, while these heating and cooling cycles are repeated. In the mist form, **FAIRCOL RA32** 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 RA32** 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 RA32** 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 RA32** provides protection against corrosion of system metals through the use of a highly effective rust inhibitor.

#### 4. Protection Against Copper Catalysis

**FAIRCOL RA32** 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.

### ● PRECAUTION

**FAIRCOL RA32** may change in color to light red during storage. The color change occurs due to an amine-type antioxidant, however, it has no adverse effect on the performances of this oil. It can be used as usual.

### ● APPLICATIONS

Rotary screw compressors  
Scroll compressors  
Rotary vane compressors

### ● CONTAINERS

200-liter drums and 20-liter cans

### ● TYPICAL PROPERTIES of FAIRCOL RA32



Color	(ASTM)		L0.5
Density	(15 °C)	g/cm <sup>3</sup>	0.844
Kinematic viscosity	(40 °C)	mm <sup>2</sup> /s	32.76
	(100 °C)	mm <sup>2</sup> /s	6.01
Viscosity index			131
CCS viscosity	(-18°C )	mPa·s	1000
Flash point	(COC)	°C	244
Pour point		°C	-25
Acid number		mgKOH/g	0.04
Water separability (54°C,40-40-0mL)		min	5
Rust prevention	(Distilled water, 60 °C, 24h)		No rust

## Handling Precautions

▼ Follow these precautions when handling this product.

<p><b>! CAUTION</b></p> <p><b>Handling Precautions</b></p>	<ul style="list-style-type: none"> <li>● <u>Inflammation can occur if oil enters the eyes.</u> When handling this oil, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.</li> <li>● <u>Inflammation can occur if oil comes into contact with skin.</u> When handling this oil, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.</li> <li>● Do not drink this oil. (Swallowing this oil can cause diarrhea and nausea.)</li> <li>● <u>Keep out of reach of children.</u></li> <li>● Read the Safety Data Sheet (SDS) for this product before using the product. Obtain the Safety Data Sheet from where you purchased the product.</li> </ul>
<p><b>First Aid</b></p>	<ul style="list-style-type: none"> <li>● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.</li> <li>● In case of skin contact, wash skin thoroughly with soap and water.</li> <li>● If this oil is swallowed, do not induce vomiting. Consult with a physician immediately.</li> </ul>
<p><b>Disposal of Used Oil and Containers</b></p>	<ul style="list-style-type: none"> <li>● Do not apply pressure to empty containers. The containers may burst if pressure is applied.</li> <li>● Do not weld, heat, drill, or cut the containers. The remaining oil may ignite and the containers may explode.</li> <li>● Follow all applicable laws and regulations when disposing of used oil or containers. If you are unsure of the proper disposal methods, consult first with the seller of the oil.</li> </ul>
<p><b>Storage Method</b></p>	<p>Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the oil. Store in a dark location. Avoid direct sunlight.</p>