

# FAIRCOL RA

## ROTARY COMPRESSOR OIL

**FAIRCOL RA** is applicable to various rotary air compressors. **FAIRCOL RA** is designed with highly refined hydrocracked base oil to handle the high efficiency compressor and the severe high-load operation. In addition, **FAIRCOL RA** enables to maintain high oxidation stability and a low sludge level particularly in air compression, by formulating properly selected additives. **FAIRCOL RA** is the rotary air compressor oil that can be used with confidence regardless of the indoor use and outdoor use.

### ● SPECIAL FEATURES

#### 1. Eliminated sludge trouble

**FAIRCOL RA** is the rotary air compressor oil that has longer oxidation life than the conventional commercial oils in various high temperature oxidation tests which were developed in consideration of severe operating conditions of the compressor. In a wide range of actual field test by each manufacturer models with **FAIRCOL RA**, it has been demonstrated that there is no problems caused by the sludge generated in the course of use and little cooler sludge at the time of overhaul.

#### 2. Easy start-up, even when it's cold

**FAIRCOL RA**, which is formulated with high viscosity index base oil, can hold good lubricity and the sealing property because its viscosity change to the temperature is small.

In particular, **FAIRCOL RA 32** can start by the smaller power because its kinematic viscosity is low at the low temperature.

#### 3. Drain work becomes easy

In rotary air compressor, it is unavoidable that moisture in the air is mixed into used oil as condensed water. To facilitate the discharge of the drain (condensed water), excellent water separation property of the oil is necessary.

Since **FAIRCOL RA** indicates excellent water separation property over a wide temperature range, it is possible to prevent problems such as emulsification of used oil and outflow of oil into drainage. Therefore, management of a device and the oil becomes easy by using **FAIRCOL RA**.

#### 4. Protect the compressor from rust

**FAIRCOL RA** has superior rust prevention performance and shows a durable rust prevention effect.

#### 5. Good foam resistance

Bubbling of the lubricating oil due to load fluctuations during operation in the tank will interfere with the normal operation of the compressor. **FAIRCOL RA** prevents problems caused by foaming, since it has few bubbling on the liquid surface and is also excellent in foam breaking.

#### 6. Less oil odor at the operation time

An odor of the oil in the workroom may be considered to be a problem. **FAIRCOL RA** will prevent the unpleasant odor since it does not contain the strong smell component.

### ● PRECAUTION

**FAIRCOL RA** 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 RA**

ISO VG			32	46	68
Color	(ASTM)		L0.5	L0.5	L0.5
Density	(15 °C)	g/cm <sup>3</sup>	0.844	0.854	0.869
Kinematic viscosity	(40 °C)	mm <sup>2</sup> /s	32.76	45.01	68.64
	(100 °C)	mm <sup>2</sup> /s	6.01	7.28	9.23
Viscosity index			131	124	111
CCS viscosity(-18°C )		mPa·s	1000	-	-
Flash point	(COC)	°C	244	260	272
Pour point		°C	-25	-25	-20
Acid number		mgKOH/g	0.04	0.04	0.04
Water separability (54°C,40-40-0mL)		min	5	10	10
Rust prevention (Distilled water, 60 °C, 24h)			No rust	No rust	No rust

Note: The typical properties may be changed without notice. (August 2017)



**Handling  
Precautions**

▼ Follow these precautions when handling this product.

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