

# FOOD MACHINE SCREW

## Rotary Compressor Oil for Food Machinery

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**FOOD MACHINE SCREW** is a long-life synthetic rotary compressor oil for food machines formulated with approved raw materials by US FDA (Food and Drug Administration), which meets US NSF (National Sanitation Foundation) H1. Interest in "food safety" increases in the world, and a food manufacturing process is watched strictly. **FOOD MACHINE SCREW** can minimize a risk in the process of manufacture in response to expectation for "security" and "the quality" of the food industry.

**FOOD MACHINE SCREW** is formulated with synthetic base oil and optimal additives, and indicates outstanding oxidation stability which suppresses the sludge generation. In addition, it can be used without caring the place of the compressor installed, because of its superior low temperature performance and viscosity property.

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### ● SPECIAL FEATURES

#### 1. US NSF H1 Registration Product

**FOOD MACHINE SCREW** is a rotary compressor oil formulated with only raw materials which FDA approves, and US NSF H1 registration product. Therefore, it is the lubricant which can reduce a risk in the public sanitation for a food manufacturer and a processor.

#### 2. Adaptation to HACCP

On the occasion of the problems in the food hygiene that may occur at all stages such as raw materials, processing, packing and shipment in the food industry, **FOOD MACHINE SCREW** adapts to the management method to prevent or decrease the outbreak of problems.

\* HACCP: Hazard Analysis Critical Control Point

(International standard of the hygiene system of administration of the food)

#### 3. Long Life Performance

**FOOD MACHINE SCREW** indicates excellent oxidation and thermal stability by the combination of synthetic base oil and optimal additives. It is the most suitable oil for a rotary air compressor which needs long life performance because of extremely little sludge generated around the cooler at the overhaul.

#### 4. Excellent Water Separation Property

Because **FOOD MACHINE SCREW** is superior in water separation and anti-emulsion property, it separates the condensed water which mixed with oil rapidly. It can prevent the troubles such as emulsification and spillage to drainage of the use oil due to its superior water separation property in a wide temperature range, which makes the management easy.

### ● GRADES

**FOOD MACHINE SCREW** is available in two viscosity grades, so you can choose the grade that is suitable for your operating conditions.

### ● APPLICATIONS

**FOOD MACHINE SCREW** can be used for rotary air compressor in a wide range of food industry, including production equipment, processing equipment, packaging equipment, packing device, etc.

### ● CONTAINERS

200-liter drums and 20-liter cans

**● TYPICAL PROPERTIES OF FOOD MACHINE SCREW**

ISO Viscosity Grade			32	46
Color	(ASTM)		L0.5	L0.5
Density	(15°C)	g/cm <sup>3</sup>	0.828	0.835
Kinematic Viscosity	(40°C)	mm <sup>2</sup> /s	31.0	44.0
	(100°C)	mm <sup>2</sup> /s	6.02	7.62
Viscosity Index			144	142
Flash Point		°C	250	268
Acid Number		mgKOH/g	0.02	0.03
Pour Point		°C	-42.5	-42.5
Copper Corrosion	(100°C, 3h)		1	1
Rust Prevention	(distilled water, 60°C, 24 h)		No rust	No rust
Water Separability	(54 °C) 40-40-0ml	min	5	5

Note: The typical properties may be changed without notice. (April 2014)



## 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>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>