

IND-2007-2104E

FAIRVAC WHITE

General purpose rotary pump oil

FAIRVAC WHITE is a vacuum pump oil for the rotary vacuum pump. Its low vapor pressure and excellent water separability maximizes pump's performance.

● SPECIAL FEATURES

1. Maximize pump's performance

When the vapor pressure of the rotary pump oil comes to high, it becomes gas under vacuum, hindering the vacuum or causing contamination of the vacuum container. Conventional general-purpose oil may contain light fractions, which raises the vapor pressure and raises a problem.

FAIRVAC WHITE has a low vapor pressure because it does not contain light fractions even with the same viscosity of general-purpose oil, and achieves ultimate vacuum degree of about 10^{-2} Torr (1.3 Pa).

2. Long-term stable vacuum

The water vapor contained may condense in the rotary pump at the time of air exhaust. Because **FAIRVAC WHITE** is excellent in water separability, water mixed in the equipment can be easily drained. Therefore long-term use of oil is possible.

3. Excellent lubricity

FAIRVAC WHITE has good lubricity and prevents wear of the rotary pump.

● APPLICATIONS

*Rotary pump (low to medium vacuum model),

*Mechanical booster pump (atmospheric pressure ~ 10^{-2} Torr (1.3 Pa))

● CONTAINERS

200-liter drums, 20-liter cans

● TYPICAL PROPERTIES OF FAIRVAC WHITE

ISO VG	46	68	100
Color(ASTM)	L0.5	L1.0	L1.5
Density(15 °C) g/cm ³	0.868	0.874	0.880
Viscosity(40°C) mm ² /s	46.6	68.7	108.1
Flash point (COC) °C	240	250	260
Pour point °C	-10	-10	-10
Copper strip corrosion(100°C, 3h)	1	1	1
Thermal stability(170 °C, 24h)	Pass	Pass	Pass
Water separability(54 °C) min	<5	<5	<5
Vapor Pressure(50 °C) Torr	< 1×10^{-4}		
Pa	< 1.3×10^{-2}		

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



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Highly refined mineral oil
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	
Prevention	<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.