

RIX TURBINE

Turbine Oil with Additives

RIX TURBINE is a R&O-type turbine oil formulated with refined mineral oil, enhanced with a rust inhibitor (R), an antioxidant (O) and antifoaming agents. Viscosity grades 32, 46 and 68 meet the specifications of JIS K2213 Type 2 (turbine oil with additives).

● SPECIAL FEATURES

- RIX TURBINE** has been used as turbine oil for big electric power stations and turbine equipment for a long time.
- It has excellent oxidation stability so that it can maintain the stable performance by inhibiting sludge formation for many years.
- It has very good demulsibility and water separation properties to exhibit good performance especially for lubricating the bearings of hydraulic and steam turbines.
- It can be used for lubricating low-pressure hydraulic equipment, press machines and low-load gears.

● APPLICATIONS

RIX TURBINE is designed for use in a variety of applications at electric power plants, including the bearings of steam turbines, hydro turbines, and marine turbines, as well as in reduction gears and governors. Additionally, it is suitable for the pressurized oil systems of hydro turbines and for the bearings of hydraulic equipment and compressors.

● CONTAINERS

200-liter drum and 20-liter can

● TYPICAL PROPERTIES OF RIX TURBINE

ISO Viscosity Grade			32	46	56*1	68	100
Color	(ASTM)		L0.5	L0.5	L0.5	L0.5	L0.5
Density	(15°C)	g/cm ³	0.868	0.874	0.876	0.879	0.884
Kinematic viscosity	(40°C)	mm ² /s	32.3	46.6	56.7	68.6	94.1
Kinematic viscosity	(100°C)	mm ² /s	5.50	6.93	7.84	8.84	10.8
Viscosity index			106	104	103	102	97
Flash point		°C	228	238	244	250	272
Pour point		°C	-17.5	-17.5	-17.5	-22.5	-22.5
Acid number		mgKOH/g	0.07	0.07	0.06	0.07	0.06
Copper strip corrosion	(100°C, 3h)		1	1	1	1	1
Rust prevention	(distilled water, 60°C, 24 h)		No rust	No rust	No rust	No rust	No rust
Water Separability		min	5	5	5	15	-
(54°C, 40ml-37ml-3ml)							
Water Separability		min	-	-	-	-	20
(82°C, 40ml-37ml-3ml)							
RPVOT*2	(150°C)	min	250	240	243	253	265

*1: Special viscosity grade which is not included in the ISO viscosity grade.

*2: Rotating pressure vessel oxidation test (ASTM D 2272)

Note: The typical properties may be changed without notice. (May 2024)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Hazard pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Harmful to aquatic life Harmful to aquatic life with long lasting effects
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.• Avoid release to the environment.• 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/doctor.• 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.