

IND-3509-2104E

RIX TURBINE

Premium Turbine Oil with Additives

RIX Turbine is the turbine oil with additives for the lubrication of thermal turbines that operate with high-temperature, high- pressure steam. It contains rust inhibitor, oxidation inhibitor and deformer which are well balanced.

● SPECIAL FEATURES

1. RIX Turbine has been used as turbine oil for big electric power stations and turbine equipment for long time.
2. It has excellent oxidation stability so that it can be used for many years without being replaced even under severe conditions.
3. It shows good performance especially for the bearing of hydraulic and steam turbine, because of very good emulsion resistance and water separation properties.
4. It can be used as oil for all types of low-load gear transmissions, machine tools, and other industrial machinery.

● GRADES

RIX Turbine is available in grades 32,46,56,68 and 100 according to the ISO viscosity, so the optimal grade can be chosen for any application.

● APPLICATIONS

RIX Turbine can be used as lubricant for a wide range of industrial machinery including the following;

- (1) Steam, gas and hydro turbines
- (2) All types of electric generators and motors
- (3) All types of hydraulic devices
- (4) Medium and small-sized compressors, blowers and pumps

● CONTAINERS

200-liter drums and 20-liter cans

● TYPICAL PROPERTIES OF RIX TURBINE

ISO Viscosity Grade			32	46	56*	68	100
Color			L0.5	L0.5	L0.5	L1.0	L1.0
Density	(15°C)	g/cm ³	0.868	0.873	0.876	0.879	0.884
Kinematic Viscosity	(40°C)	mm ² /s	32.0	46.1	56.3	66.5	96.0
	(100°C)	mm ² /s	5.51	6.93	7.84	8.71	11.0
Viscosity Index			108	106	104	103	99
Flash Point		°C	228	240	244	253	270
Pour Point		°C	-20.0	-17.5	-15.0	-15.0	-22.5
Acid Number		mgKOH/g	0.05	0.05	0.05	0.05	0.05
Copper Corrosion	(100°C, 3h)		1	1	1	1	1
Rust Prevention	(distilled water, 60°C, 24 h)		No rust				
Water Separability	(54°C, 40ml-37ml-3ml)	min	5	5	5	9	15
Oxidation Stability	(RPVOT:150°C)	min	235	235	235	240	240
Oxidation Stability	(TOST:95 °C,1000h)						
	Acid Number	mgKOH/g	0.04	0.04	0.04	0.04	0.05

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

Note: The typical properties may be changed without notice. (November 2011)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
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.