

TURBINE OIL

Turbine Oil without Additive

Turbine oil is a highly refined mineral oil from selected crude oil, which contains no additive. It can be used as a lubricant widely especially for general industrial machines and compressors due to its good oxidation stability and high viscosity index. It is available in viscosity grades from 32 to 220, so the optimal grade can be chosen.

● SPECIAL FEATURES

1. Small Viscosity Change

Turbine oil has high viscosity index, which means small viscosity change for the temperature variation, and indicates good lubricity.

2. Good Oxidation Stability

Turbine oil is highly refined to remove impurities and acidic compounds. It has good oxidation and thermal stability.

3. Excellent Water Separation Property

Turbine oil has good emulsion resistance property and separates water easily when water is contaminated.

● GRADES

Turbine oil is available in 7 grades of 32 to 220 according to the ISO viscosity, so the optimal grade can be chosen for any application.

● APPLICATIONS

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

- (1) Internal and external lubrication of air and gas compressors.
- (2) Bearing lubrication for steel and non-ferrous metal rolling machines, rubber and vinyl rolls and calendars, paper machines, motors, pumps, generators, ventilation equipment.
- (3) Lubricant used in reduction equipment.
- (4) Circulation lubrication system of gear and bearing
- (5) Lubrication of Kaplan turbine runner bosses.
- (6) Lubricant for all types of hydraulic devices.

● CONTAINERS

200-liter drums and 20-liter cans(except VG220)

● TYPICAL PROPERTIES OF TURBINE OIL

ISO VG		32	46	56*	68	100	150	220
Color(ASTM)		L0.5	L0.5	L0.5	L0.5	L1.0	L2.0	L2.0
Density(15°C)	g/cm ³	0.867	0.874	0.876	0.879	0.886	0.890	0.891
Kinematic (40°C)	mm ² /s	32.6	46.4	55.9	67.7	95.2	141	225
Viscosity(100°C)	mm ² /s	5.5	6.8	7.8	8.6	10.8	14.1	19.6
Viscosity Index		106	102	103	98	97	97	99
Flash Point	°C	228	242	244	252	274	282	292
Pour Point	°C	-15	-12.5	-12.5	-12.5	-12.5	-12.5	-10.0
Acid Number	mgKOH/g	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Copper Corrosion(100°C, 3h)		1	1	1	1	1	1	1

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

Note: The typical properties may be changed without notice. (May 2018)



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:	<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.
Prevention	
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.