

Turbine Oil

Product Features

- Thermal power plants, steam turbine engines of ships, bearing in gas turbines, the reduction gear lubricants, hydraulic systems, compressors and hydraulic devices such widespread use of the control system.
- Turbine oil with no additives and rust inhibitors (Rust Inhibitor) and antioxidants (Oxidation Inhibitor) adding turbine flow classification

Performance Requirements

- **Oxidation stability**
 - Second limit pressure high-temperature and high-pressure steam and gas turbines that are driving around with.
 - Operation the surface temperature of the bearing metal in the locally over 100 °C.
 - Oxidation in continuous use for a long time to heat, aging, reunion,
 - Oxidation under air and in contact with moisture and contamination caused by rapid stirring.
 - Turbine oil oxidation when peroxide, acid, ester, etc. are produced,
 - Result cause the pipe to block and filter insoluble sludge generation.
- **Rust**
 - Rust caused by moisture contamination. Southern rust occurrence of various problems occur
- **Hangyu Mars**
 - Poor water separation stability of bearing wear, heat, and may cause problems, such as promoting oxidation.
- **Vesicular**
 - Bubbling during forced circulation lubrication in the manner of turbine air entrainment due to the lubricating oil and the oil surface,
 - Turbine oil oxidation causes, due to the destruction of bubbling lubrication, lubrication performance is required, such as happened to cause the follicular superior to others.
- **Extreme pressure**
 - Turbine bearing lubrication and a reduction gear lubrication performance combined with extreme pressure being required depends on the system.

Product Applications

- Use the lubrication of the gas and steam turbines, bearings of the machine, use the reduction gear and fluid coupling such as purification system to lubricate the ring.

Mineral Base Turbine Oil Series

Separation	Specific Gravity 15/4°C	Viscosity cSt		Flash Point °C	Total Acid mgKOH/g	Pour Point °C	Corrosive Test (100°C×3h)
		40°C	100°C				
THRBIN 32	0.871	32	5.3	≥210	0.01	-15.0	1a
THRBIN 46	0.877	46	6.8	≥210		-15.0	
THRBIN 68	0.881	68	8.8	≥210		-12.5	
THRBIN 100	0.885	100	11.4	≥210		-12.5	

Synthetic Polyalphaolefins Turbine Oil : PAO Basestock

Separation	Specific Gravity 15/4°C	Viscosity cSt		Flash Point °C	Total Acid mgKOH/g	Pour Point °C	Corrosive Test (100°C×3h)
		40°C	100°C				
THRBIN Syn 32	0.88	32.0	7.0	≥230	175	-35	1a
THRBIN Syn 46	0.88	46.0	9.0	≥230	175	-35	
THRBIN Syn 68	0.88	68.0	12.0	≥230	175	-35	