

Rust-proof steam turbine oil

● Performance Overview

Maxtop anti-rust turbine oil is formulated from deeply refined base oil and additives such as antioxidants, anti-rust agents, metal passivators, anti-emulsifiers, and anti-foaming agents. It has good anti-emulsification properties and higher requirements for oxidation resistance, as well as good rust resistance.



● Features

01

Excellent anti-emulsification and anti-foaming properties, easy to separate the water entering the system, so that the air entering the system can be quickly eliminated, excellent anti-oxidation performance, and long service life.

02

Excellent anti-rust and anti-corrosion performance, can prevent corrosion and rust caused by water ingress into the system; performance, meeting the oil requirements of a variety of engines.

03

Good oxidation stability, suitable viscosity and good viscosity-temperature property.

04

Prevent foam: effectively prevent foam generation, ensure lubrication efficiency, and avoid foam damage to the equipment.

● Application Scenario

Mainly used for lubrication and sealing of steam turbine units in the power industry, petroleum refining and chemical industry, steel, shipbuilding and other industries.



Rust-proof Steam Turbine Oil Performance Index

Project		Quality indicators		
Viscosity grade		32	46	68
Appearance		transparent		
Kinematic viscosity (40℃)/(mm2/s)		28.8~35.2	41.4~50.6	61.2~74.8
Viscosity Index	Not less than	90		
Pour point/℃	No higher than	-6		
Flash point (open)/℃	No less than	186	195	
Acid value (in KOH)/(mg/g)	No more than	0.2		
Moisture%	not more than	0.02		
Air release value (50℃)/min	No more than	5	6	
Copper corrosion (100℃, 3h)/level	No more than	1		
Demulsification (time for emulsion to reach 3ml)/min				
54℃	No more than	15	30	
82℃	No more than	-	-	
Foaming properties (foaming tendency/foaming stability), ml/ml				
24℃	not more than	450/0		
93.5℃	not more than	50/0		
After 24℃	no more than	450/0		
Oxidation stability				
Total acid value (in KOH) after 1000h (mg/g) is not more than		0.3	0.3	0.3
Total acid value of 2.0 (in KOH)/(mg/g)				
Time/h	not less than	3500	3000	2500
After 1000h, oil sludge/mg	not more than	200	200	200
Carrying capacity				
Gear machine test/failure level	not less than	8	9	10
Cleanliness level/grade	no greater than	-	18	15