

PRISTA® Tps 68

Power generation oil

Description and Application

PRISTA® Tps 68 is a premium quality turbine oil, developed to lubricate steam and gas turbines, including turbines operating in combined cycle systems. It is formulated with a special selection of Group I + and or Group II base oils that ensure that the end product exhibits superior oxidation stability demonstrated by more than 1000 hours in RBOT Test. It is especially designed to meet the requirements for oils operating under severe conditions, such as high temperature and high load.

PRISTA® Tps 68 is blended with a special ash-free additive package that increases the properties of the end product in terms of corrosion and oxidation stability.

The improved corrosion and oxidation stability performance make **PRISTA® Tps 68** suitable for use both in on-board compressors and turbines in different vessels as well as other auxiliary ship equipment.

Benefits

- Very good oxidation stability at high temperature
- Excellent water separability
- Low tendency for sludge and acid products formation

Specifications

ISO 3448	VG 68
ISO 6743-5	ISO L-TGB
ISO 8068: 2024	L-TGB, L-TGSB
ISO 8068	Type AR
ASTM D 4304	Type I
DIN 51 515	Part 1 (L-TD)
British Standard	489 (CIGRE)
MIL-L-	17672 D
U.S. Steel	120
ABB	HTGD 90 117 V0001R 117

Typical Characteristics

Parameter	Test Method	Typical Value
		Tps 68
Density at 20°C, g/cm ³	EN ISO 3675	0.871
Kinematic viscosity at 40°C, mm ² /s	EN ISO 3104	68
Viscosity Index	ISO 2190	102
Flash point, COC, °C	EN ISO 2592	245
Pour point, °C	ISO 3016	-9
TAN, mgKOH/g	ISO 6618	<0.1
Rust Preventive properties in the presence of dist.water and synthetic sea water	ISO 7120 Method A&B	pass
Copper strip corrosion, 3h, 100°C	EN ISO 2160	1a
RBOT, min	ASTM D 2272	>250

Important note: Typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

This product does not pose a significant risk to human health or to the environment when used for the intended application and in accordance with the MSDS.

For more information about product, MSDS, terms and conditions for storage and shelf life please visit: www.prista-oil.com