

Description

PRDL TURBO OIL Series are a premium performance turbine oil designed for steam and hydro turbine sets. It has perfect oxidation stability, thus preventing formation of any resins and other oxidation products. The resistance to emulsification, rapid separation and good anti wear properties enable them to protect the equipment. It also have a high viscosity index that minimizes undesirable temperature effects. Its high foaming resistance increases the oil film stability.

Properties

- Naturally high viscosity index.
- High resistance to foaming and rapid air release.
- Positive water-shedding properties.
- Excellent rust and corrosion protection.
- Long oil service life under severe operating conditions.

Application

PRDL TURBO OIL Series are suitable for application in the following areas;

- Industrial steam turbines.
- Light duty gas turbines.
- Hydroelectric turbine lubrication.
- Compressor applications.
- Applications where strong control over rust and oxidation is required.

Typical Physical and Chemical Properties

PRDL TURBO OIL	Test Method	32	46
Base Oil Type	-	Group II	Group II
Appearance	Visual	B & C	B & C
Color	ASTM D 1500	Max. 1,5	Max. 2
Density @ 15°C, g/cm ³	ASTM D 4052	0,872	0,880
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	32	46
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	5,4	6,2
Viscosity Index	ASTM D 2270	>100	>100
Flash Point, (COC), °C	ASTM D 92	>210	>220
Pour Point, °C	ASTM D 97	<-22	<-22
Steel Corrosion Test	ASTM D 665	Passes	Passes
Copper Corrosion Test @ 3 hours	ASTM D 130	Max. 1b	Max. 1b
Demulsification No, sec	IP 19	100	100
Air Release @ 50°C, mins	IP 313	2	2
Neutralisation Number, mgKOH/g	ASTM D 974	0,10	0,10
Foaming Test			
Sequence I	ASTM D 892	10/0	10/0
Sequence II		20/0	20/0

Sequence III		10/0	10/0
FZG Mechanical Gear Test, Fail Load	DIN 51354	8	8
Oxidation Control Test TOST Life, hrs	ASTM D 943	5.000	5.000

Packaging and Storage Conditions

Should be stored sealed under normal storage conditions. Shelf life in original package and at room temperature is 3 years. Available in 180 KG drums.

Human Health and Work Safety

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling. Avoid eye and prolonged skin contact. Wash thoroughly after handling material. For more information please see the Material Safety Data Sheet (MSDS).

Data brought back in the present informative technical sheet describe the indicative medium characteristics of the product: these can be varied without warning and they do not constitute sale specifications.

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