



Perfecto T 46 Superclean

Turbine oil

Description

Castrol Perfecto T 46 Superclean turbine oil is formulated from highly refined mineral base stocks together with rust and oxidation additives to extend their inherent oxidation stability and corrosion protection.

Application

Perfecto T 46 Superclean is primarily intended for the lubrication of steam turbines because of its resistance to foaming, demulsification performance and its air release properties. It can also be used in lightly loaded industrial gas turbines where anti wear performance is not required and turbo machinery where hydrodynamic lubrication prevails.

Perfecto T 46 Superclean meets or exceeds the requirements of:

- British Standard BS 489
- DIN 51515 -1 (L-TD)
- General Electric GEK 28143A and 46506E

Advantages

- Extensive performance history
- Low foaming tendency and air release properties
- Good demulsibility and corrosion inhibition performance

Typical Characteristics

Name	Method	Units	Perfecto T 46 Superclean
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	876
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	46.7
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	6.8
Viscosity Index	ISO 2909 / ASTM D2270	-	102
Pour Point	ASTM D5950	°C/°F	-12/10
Acid Number	ISO 6619 / ASTM D664	mgKOH/g	0.1
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	210/410
Air Release @ 50°C / 122°F	ISO 9120 / ASTM D3427	minutes	4
Water Separation - steam method	IP 19	seconds	60
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	0/0
Foam Sequence II - tendency / stability	ISO 6247 / ASTM D892	ml/ml	0/0
Foam Sequence III - tendency / stability	ISO 6247 / ASTM D892	ml/ml	0/0
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	Rating	Pass
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1A
Oxidation Stability - Rotating Pressure Vessel test	ASTM D2272	minutes	402
Oxidation Stability - TOST	ISO 4263-1 / ASTM D943	hours	4000
Fluid Cleanliness	NAS Class 1638	Rating	6

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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