



Perfecto XPG LT 32

Premium Quality Industrial Turbine Oil

Description

Castrol Perfecto™ XPG LT 32 is a high performance mineral oil based lubricant with a high degree of thermal and oxidative stability with enhanced low temperature performance. Perfecto™ XPG LT 32 is intended primarily for the lubrication of large gas turbines, but its use should also be considered in any large items of rotating equipment where a long lubricant life and clean operation is desired to maximise equipment availability.

Castrol Perfecto™ XPG LT 32 possesses excellent low temperature properties; pour point and pumpability, making it particularly suitable for use in applications located in extremely cold climatic regions. It also has excellent air release properties, resistance to foaming in addition to good water separation performance which is required for the lubrication of steam turbines, making it suitable for Combined Cycle generating systems where steam and gas turbines share a common oil supply.

Application

- Industrial Gas turbines
- Steam Turbines
- Turbo Compressors
- Electric motor bearings
- Alternator bearings

Advantages

Castrol Perfecto XPG LT 32 is based upon hydrotreated base oils with an additive system designed to provide high resistance to oxidation, low temperature pumpability and additional load carrying performance for geared turbines. The high resistance to oxidation ensures long oil life and reduces deposit formation and lacquering within the turbine lubrication system. The product provides:

- Lower operating costs through long life
- Reduced deposit / lacquer formation ensures reliability
- Reduced gear wear in systems incorporating gear boxes
- Security of supply, wherever you operate

Technical Data

Name	Method	Units	Perfecto XPGLT
Kinematic Viscosity at 40°C	ISO 3104, ASTM D445	mm ² /s	32
Kinematic Viscosity at 100°C	ISO 3104, ASTM D445	mm ² /s	5.7
Viscosity Index	ISO 2909, ASTM D2270	-	111
Relative Density at 15°C	ISO 12185, ASTM D4052	g/ml	0.86
Pour Point	ISO 3016, ASTM D97	°C	-36
Flash Point, COC	ISO 2592, ASTM D92	°C	222
Neutralisation Number	IP 139, ASTM D974	mg KOH/g	0.05
Air Release at 50°C	ISO 9120, ASTM D3427	minutes	2
Demulsification	IP 19	seconds	60
Foam Sequence I, (tendency/stability)	ISO 6247, ASTM D892	ml	10/0
Foam Sequence II, (tendency/stability)	ISO 6247, ASTM D892	ml	0/0
Foam Sequence III, (Tendency/stability)	ISO 6247, ASTM D892	ml	10/0
Rust Test, (24hours synthetic sea water)	ISO 7210, ASTM D665b	-	Pass
Copper Corrosion, 3hrs at 100°C	ISO 2160, ASTM D130	-	1A
TOST Test, to 2 mg KOH/g	ASTM D943	hours	>10000
RPVOT	ASTM D2272	minutes	1100
FZG Gear Failure Load Stage (A/8.3/90)	DIN 51354	-	9

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

Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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24 Nov 2011

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Castrol Marine, Technology Centre, Whitchurch Hill, Pangbourne, Reading RG8 7QR, United Kingdom

www.castrolmarine.com