



Peregrine

Additives & Lubes

PAL VELOCIO

Turbine Oils

Last Revision: 31/07/19

Description

PAL Velocio turbine oils are top-tier lubricants designed for long service in steam, combined cycle and gas turbines. Velocio turbine oils are blended from superior quality Group II base stocks and proven anti-oxidant/anti-rust additives. They are highly resistant to oxidation and the formation of acids, giving complete protection against the corrosion of critical metal surfaces. The specially selected additive system also prevents excessive wear due to extreme pressures from shock and overloading. This is due to Velocio turbine oils possessing excellent wetting characteristics which provides a thin film that is resistant to rupture under high loads

Performance Standards

- Alstom HTGD 90117 Solar Turbines ES 9-224
- General Electric GEK-32568F British Standards BS 489
- GEK 107395
- TLV 901304
- DIN 51 515
- DIN 51 524 Part 1

Features

- High resistance to oxidation gives long oil service life and minimizes the impact of sludge and deposit formations.
- Excellent extreme pressure properties – helps protects heavily loaded gear sets found in gas turbine systems.
- Excellent filterability even in the presence of water and calcium – minimizes downtime and extends components' lifespans.
- Foam inhibition reduces the danger of pump failure due to cavitation.
- Outstanding demulsibility that separates water quickly to minimize rust, corrosion and wear.
- Superior rust and corrosion protection – reduces replacement costs.
- Low copper activity.
- Good seal compatibility.

Applications

- Recommended for steam, gas and water turbine lubrications.
- Suitable for bearings of high speed enclosed crankcase steam engines.
- Can also be used for the lubrication of air compressor, vacuum pumps and high speed gears.

**6318 Union Ave.
Shreveport LA, 71106
318-222-8787**



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Typical Properties

ISO VG	32	46	68	100
Density@15°C, kg/L	0.864	0.868	0.873	0.880
Colour ASTM	0.5	0.5	1.0	1.0
Viscosity@40°C, cSt	30.6	45.7	65.7	97.5
Viscosity@100°C, cSt	5.3	6.7	8.5	11.0
Viscosity Index	105	100	100	98
Flash Point, °C, COC	212	216	220	226
Pour Point, °C	-21	-18	-18	-15
FZG (ASTM D5182, load stage)	11	11	11	11
Rust Prevention	Pass	Pass	Pass	Pass
Copper Corrosion	1a	1a	1a	1a
Emulsion Characteristics (time to 40-40-0) minutes	5	10	10	10

Typical values do not constitute as specifications. Due to continual product research and development, the information contained herein is subjected to change without notification

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