

Engen Superturb 32, 46, 68

Zinc-Free, Steam Turbine Oils

Description

The Engen Superturb Series oils are modern high quality, chemically stable steam turbine oils formulated from specially selected, hydrocracked base oils to meet steam turbine requirements. They contain rust inhibitors, metal deactivators, and defoamants and exhibits good demulsibility that permits water and other contaminants to readily separate from the oil in the system reservoir. Engen Superturb Series is designed to provide resistance to thermal degradation in the presence of entrained air and catalyzing metals in steam turbine systems.

Application

Engen Superturb Series is recommended for the lubrication of steam, water and gas turbines. It may also be used on auxiliary steam turbine equipment such as, generators, compressors, vacuum pumps etc. Engen Superturb Series is zinc-free, thus when replacing a zinc-containing oil by topping up with a Superturb oil, the compatibility of the two products should be tested. The Engen Superturb Series has a range of products defined by their viscometrics for specific applications.

Performance Level

GEK 32 568 E; DIN 51524, Part 1 (HL); DIN 51515, Part 1 (L-TD); BS 489 (CIGRE); Solar ES 9-224W; Alstom HTGD 90-117 (OEM approval – ISO VG 46 Grade).

Benefits

- Excellent oxidation stability through careful base oil selection and additive technology.
- Excellent anti-foam and air release achieved through good base oil quality.
- Excellent demulsibility for rapid separation of water.
- Excellent long-term rust and corrosion inhibition (in the presence of water).

Typical Physical Characteristics

Engen Superturb	32	46	68
Viscosity, cSt @ 40 °C	30	44	68
Viscosity, cSt @ 100 °C	5,5	6,9	9,0
Viscosity Index	119	115	105
Flash Point, °C, min.	198	228	236
Pour Point, °C	-24	-21	-21
TAN, mgKOH/g	0,06	0,06	0,09

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Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.

Engen Petroleum Ltd | Tel: 08600 36436 | Website: www.engenoil.com | Email: 1call@engenoil.com