



Product Bulletin

GULFCREST 32 PREMIUM TURBINE / HYDRAULIC OIL

Gulcrest 32 is a premium R&O turbine oil formulated with high quality base oils and an additive system specifically designed for use in turbines where both resistance to oxidation and long life of the product are essential.

FEATURES AND BENEFITS:

Gulcrest 32 provides excellent resistance to foaming and good air-releasing characteristics. The superior oxidation resistance of this product is shown on the ASTM D-943 test with typical results of over 10,000 hours. Additionally, it offers the following benefits:

- Excellent rust and corrosion protection
- Minimization of sludge and varnish formations
- High VI with excellent lubricating performance
- Superb water separating characteristics to minimize emulsions
- Outstanding protection in the most severe operating conditions

APPLICATIONS:

Gulcrest 32 is the right choice for lubricating steam, gas, and hydroelectric turbines. It is ideal for hydraulic systems requiring a rust and oxidation inhibited lubricant with long-life performance. Specifically, this product is designed for central station turbo-generators, which are precision machined and require close tolerances for intricately balanced mechanisms. It meets the requirements of Dennison HF-1, DIN 51524 Part 1, ASTM D 4304 Type I, Cincinnati Machine P-38, MIL-L-17672D, AFNOR E48-600HL, and US Steel 126. Additionally, it is recommended for the following uses:

- Turbo-generators
- Air line lubricant for air tools
- Rotary air compressors and gas compressors
- Vacuum pumps, machine tools and textile spindles
- High-speed gearing at normal temperatures and gear reducers at low temperatures where an extreme pressure gear lubricant is not required



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AVAILABILITY:

Gulcrest 32 is available throughout Gulf's marketing area. Your Gulf representative or Gulf jobber can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF (4853).

**Gulcrest 32 – Premium Turbine / Hydraulic Oil
Typical Properties**

ISO Viscosity Grade		32
Product Code	Test Method	334101
Viscosity, cSt @ 40°C	ASTM D-445	32
Viscosity, cSt @ 100°C	ASTM D-445	5.35
Viscosity, SUS @ 100°F	ASTM D-2161	165
Viscosity, SUS @ 210°F	ASTM D-2161	44.2
Viscosity Index	ASTM D-2270	100
Color	ASTM D-1500	0.5
Pour Point, °F (°C) (max)	ASTM D-5949	-35 (-36)
Flash Point, COC, °F (°C)	ASTM D-92	400 (204)
TAN	ASTM D-664	0.10
Rust Test	ASTM D-665 A&B	Pass
Ramsbottom Carbon Residue, %	ASTM D-524	0.01
Foam Test, foam after 10 min. of settling for all sequences	ASTM D-892	No foam
Air Rise, minutes (min)	ASTM D-3427	3
Demulsibility, 20 min. @ 130°F	ASTM D-1401	40-37-3
Oxidation Stability, hours (min)	ASTM D-943	10,000
API Gravity, 60°F	ASTM D-1298A	35.2
Density, lbs/gal (g/L)	Calculated	7.065 (847)
Cincinnati Machine		P-38