

ANDEROL® 3832

SYNTHETIC LUBRICANT (ISO VG 32)

DESCRIPTION

ANDEROL® 3832 is an ISO 32 poly- α -olefin (PAO) based fluid formulated to meet the demands of high output stationary industrial gas turbines and other rotary equipment requiring a high level of thermo-oxidative stability. High quality synthetic base oils are blended with carefully selected additives to impart anti-wear, high temperature oxidation and corrosion inhibition as well as rust protection. In addition, **ANDEROL® 3832** exhibits exceptional low temperature performance, permitting superior fluidity during cold start-ups and cold weather operation. It is completely miscible and is compatible with petroleum-based lubricants and components.

APPLICATIONS

ANDEROL® 3832 is recommended for use in all types of rotary machinery requiring an ISO 32 fluid. In addition, It provides outstanding performance in stationary or land-based gas turbines.

FEATURES and BENEFITS

- Exceptionally good low temperature fluidity resulting in reduced wear and a reduction in power consumption due to torque during startup
- High viscosity index resulting in excellent temperature/viscosity performance over a wide operating temperature range
- High load carrying and anti-wear characteristics provide longer component life
- Excellent high temperature oxidation and corrosion stability translates into an extension of drain intervals and cleaner operation

APPROVALS and SPECIFICATIONS

ANDEROL® 3832 meets the requirements of Cooper Industries, General Electric Company 101941A and Allison Gas Turbine Division EMS-45 for use in land based gas turbines.

TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	ANDEROL® 3832
Viscosity, cSt		
@ 100°C	ASTM D 445	5.84
@ 40°C	ASTM D 445	31.8
@ -40°C	ASTM D 445	12,908
Viscosity Index	ASTM D 2270	128
Specific Gravity, 15.6°C (60°F)	ASTM D 4052B	0.857
Pour Point, °C	ASTM D 97	-58
Flash Point, COC, °C	ASTM D 92	248
Fire Point, COC, °C	ASTM D 92	279
Autoignition Temperature	ASTM E 659	386
Acid Number, mg KOH/g	ASTM D 974	0.33
Demulsibility @ 54°C, ml oil/water/emulsion (min)	ASTM D 1401	40/40/0 (<30)
Copper Strip Corrosion	ASTM D 130	1B
Foaming Tendency, (mL initial, mL final) Sequence I Sequence II Sequence III	ASTM D 892	0 / 0 15 / 0 5 / 0
Rust Protection	ASTM D 665B	Pass
Four-Ball Wear, 1200 rpm, 167°F (75°C), 40 kg, 1 hour, mm	ASTM D 2266	0.35
Oxidation/Corrosion, 175°C, 72 hours	FTM 5308	
Viscosity Change, %		4.2
TAN Change, mg KOH/g		0.30
Metal Weight Change, mg/cm²		Pass

COMPATIBILITY

ANDEROL® 3832 is completely compatible with petroleum-base lubricants and the components used in these systems such as seals, paints, gaskets and hoses.

PACKAGING

ANDEROL® 3832 is available in 5-gallon pails and 55-gallon drums. Other packages may be available upon request.

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