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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of May 13, 2002.

SYNTHETIC GAS TURBINE OILS

SH[®]-32T AND SH[®]-46T

Summit SH[®]-32T and SH[®]-46T gas turbine lubricants have been formulated to operate in land-based gas turbines under a wide range of temperatures. Synthetic hydrocarbon base stocks and selected additives combine to provide excellent viscosity-temperature characteristics, oxidation stability, wear resistance, and load-carrying ability.

Summit gas turbine lubricants meet the requirements of specifications approved by all of the major manufacturers of gas turbines and Summit SH[®]-32T is approved by Solar Turbine as conforming to their ES9-224 lube oil specification for Class I ISO 32 lube oils.

- Low temperature fluidity - Pour Point of -65°F.
- High Viscosity Index - less viscosity change with temperature.
- High temperature stability - demonstrated by FTM 5308 performance test.
- Low foaming characteristics.
- Excellent load-carrying ability.
- Exceptionally good anti-wear as measured by ASTM D2266.

Physical Properties

PRODUCTS	SH [®] -32T	SH [®] -46T
Approximate ISO Grade	32	46
Viscosity		
@ 40°C, cSt	29.7	42.0
@ 100°C, cSt	5.66	7.5
Viscosity Index	133	146
Specific Gravity	0.8400	0.8450
Pour Point, °F (°C)	-70 (-57)	-65 (-54)
Flash Point, °F (°C)	490 (254)	500 (260)
Fire Point, °F (°C)	520 (271)	530 (277)
Autoignition		
Temperature, °F (°C)	779 (415)	785 (418)
Total Acid Number	0.36	0.40
Four Ball Wear Test, mm	0.40	0.40
Corrosion-Oxidation Test		
Total Acid No. Increase	0.8	0.7
Viscosity Increase	6.9	6.2