

ANDEROL PRODUCT DATA SHEET

ROYCO® 560

ADVANCED LUBRICANT FOR GAS TURBINE ENGINES

GENERAL INFORMATION

ROYCO 560 has been developed for the increased demands of the latest technological developments in gas turbine engines. With the advent of higher bypass ratio engines, higher thrust output, and consequently higher engine operating temperatures and pressures, this fluid has demonstrated a remarkable savings in lower maintenance costs and down time. ROYCO 560 far surpasses the performance of traditional Type II (Mil-PRF-23699) fluids by combining higher thermal-oxidative stability with lower carbon residue formation. This results in better engine performance and longer periods between MOH. In addition, this third generation oil can be used in any older engine designed to run on Mil-L-23699 type fluids so that even these engines can realize the same performance benefits. Indeed, it has been demonstrated that third generation fluids can offer significant advantages over traditional oils in terms of lubricant life, engine cleanliness, and reduced emissions.

TYPICAL PROPERTIES:

PROPERTIES	ROYCO 560
Viscosity @100°C, cSt	5.3
Viscosity @ 40°C, cSt	27.5
Viscosity @-40°C, cSt	10,050
Flash Point, °F (C.O.C.)	515
Pour Point, °F	-75
Neutralization No.	0.14
Evaporation, % loss (6 1/2 hrs/400°F)	2.5
Thermal Stability (96 hrs/525 °F)	
Viscosity @ 100 °F, % Change	+0.56
Acid Number Change, mg KOH/g	+1.92
Metal Weight Change, mg/cm2	-0.40
Oxidation and Corrosion Stability (72 hrs/400 °F)	
Corrosion	
Steel, wt. change, mg/ cm2	+0.02
Silver, wt. change, mg/ cm2	+0.02
Aluminum, wt. change, mg/ cm2	-0.01
Magnesium, wt. change, mg/ cm2	+0.02
Copper, wt. change, mg/ cm2	+0.00
Oxidation	
Viscosity Change @ 100°F, %	20.1
Total Acid Number Change	0.52
Contamination, mg/100 ml	0.67
Sediment, 1.2 micron filter, mg/1	4.73
Total Ash, mg	0.001

* Not a quality conformance test.

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For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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ROYCO 560

TYPICAL PROPERTIES (continued):

ADVANTAGES

APPROVALS

ROYCO 560 has been approved for use in most aviation gas turbine engines requiring Mil-PRF-23699 approved fluids. In addition, ROYCO 560 is approved for use in industrial gas turbines manufactured by the Solar Division of Caterpillar, General Electric, Pratt & Whitney, Allison, Rolls Royce, and most others. Specific engine approval information may be obtained on request. ROYCO 560 is qualified to MIL-SPEC: MIL-PRF-23699F Grade HTS.

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