PRESLIA SE HTS

Turbine

Synthetic oil for aeroderivatives turbines.

APPLICATIONS

Aeroderivatives turbines

- Lubrication and regulation of extremely high-performance aeroderivatives turbines.

SPECIFICATIONS

International standards
Manufacturers

- **PRESLIA SE HTS** is approved according to the following international standards and turbines manufacturers:
  - SAE AS5780 HPC
  - MIL-PRF-23699G CLASS HTS
  - ROLLS ROYCE: 501-KB7, 501-KB7S and 501-KB7C
  - GENERAL ELECTRIC

ADVANTAGES

High running safety level
Extended oil bath lifetime

- **PRESLIA SE HTS** owns all the properties required to ensure the lubrication of the aeroderivative turbines working in the most difficult conditions :
  - Low coking propensy
  - High resistance to oxidation and thermal degradation
  - Good elastomer compability.

TYPICAL CHARACTERISTICS	METHODS	UNITS	PRESLIA SE HTS
Kinematic viscosity	ASTM D 445	mm^2/s	
- at 100 °C	-	-	4.98
- at 40 °C	-	-	24.6
- at - 40 °C	-	-	9000
Density @ 20°C	ASTM D 4052	kg/dm^3	0.994
Viscosity stability, 72 hrs at - 40 °C, % change	FED-STD-791-3458	%	0.6
Evaporation loss 6h30 at 204 °C	ASTM D 972	%w	3.1
Flash point, COC	ASTM D 92	°C	264
Pour point	ASTM D 97	°C	- 60
Acid number	SAE-ARP-5088	mg KOH/g	0.22
Shear stability, viscosity loss	ASTM D 2603	%	- 0.08
AMS 3217/4 Rubber Swell, 72 hrs at 204 °C	FED-STD-791-3604	%	18.2

TYPICAL CHARACTERISTICS	METHODS	UNITS	PRESLIA SE HTS
Foaming test (tendency/stability)	ASTM D 892	cm^2/min	
- at 24 °C	-	-	5/0
- at 94 °C	-	-	5/0
- at 24 °C after 94 °C	-	-	5/0
Thermal stability and corrosivity, 96h at 274 °C	FED-STD-791-3411		
Viscosity change at 40 °C	-	%	0.04
Acid number change	-	mg KOH/g	0.4
Steel weight change	-	mg/cm^2	0.02
HLPS Dynamic coking at 375 °C	SAE-ARP-5996	mg	
- deposit after 20 h	-	-	0.15
- deposit after 40h	-	-	0.24
Electrical conductivity at 20°C	pSm	ASTM D 2624	1500

Above characteristics are mean values given as an information.