AeroShell® OIL TURBINE 560
Synthetic turbine engine oil

Product Description
Aeroshell®Oil Turbine 560 is a new third generation "low coking" 5 centistoke synthetic lubricating oil designed specifically for gas turbine engines. This oil is blended from high quality "hindered" esters to produce exceptional thermal stability needed in today's advanced engines. It incorporates advanced additive technology and a fine balance of additives to resist the high temperatures generated by turbine engines. These carefully selected components result in a product which greatly reduces the deposits caused by high temperature conditions and improves overall engine performance. Always check with the manufacturer for the exact recommendation for each application.

Applications
- Jet aircraft turbine engines
- Helicopter turbine engines
- Helicopter gear boxes and transmissions
- Industrial gas turbine engines
- Constant speed drives

Features/Benefits
- Keeps engines cleaner compared to engines using Type II fluids
- Provides improved load carrying capacity
- Prolongs bearing life

Approvals and Recommendations
- MIL-PRF-23699F Classification HTS
- DERD 2499 OX-27
- DEF STAN 91-101
- Allied Signal – TFE 731, TPE 331, APUs (majority of models)
- Allison – EMS-53, 250 Series
- BMW/Rolls-Royce – BR710
- General Electric – D-50 TF1, GE 90, CF6 (all models) CJ610, CF700, CT58, CF34
- Pratt & Whitney – 521C Type II, JT3D, JT8D, JT9D, PW4000 Series, PT6T, PT6A (some models only) PW100, JT15D, PW200, Series, PW300 Series, PW500 Series, PW901A APU
- Rolls-Royce – Trent, RB211-22B, -524, -535, Spey, Tay, RB183, Adour
- Textron Lycoming - LTS 101, LTP 101
- Turbomecca – Arriel, Makila, RTM 322, TM 319, TM 333, TP 319, various models of Astazou and Artouste engines

Typical Properties of AeroShell Oil Turbine 560		
Product Code		60074
Property	REQUIREMENTS	TYPICALS
Oil Type	Synthetic ester	Synthetic ester
Viscosity		
@ 100 ºC, cSt	4.9-5.4	5.26
@ 40 ºC, cSt	23.0 min	28.3
@ -40.0 ºC, cSt	13,000 max	10,060
Flash Point, ºC	246 min	260
Pour Point, ºC	-54 max	<-54
Total Acidity – Mg KOH/g	1 max	0.14
Evaporation Loss 6.5 hrs @ 204ºC, %m	10.0 max	2.4
Foaming	Must pass	Pass
Swelling of Standard Synthetic Rubber SAE-AMS 3217/1 72 hrs @ 70 ºC swell-% SAE-AMS 3217/4, 72 hrs @ 204 ºC swell-% Standard Silicone Rubber 96 hrs @ 121 ºC swell-%	 5 to 25 5 to 25 5 to 25	 13.8 12 7.5
Terminal Stability/Corrosivity 90 hrs @ 274 ºC Metal weight change –mg/cm^2 Viscosity change - %	 4 max 5 max	 -3.5 2.9
Total Acid Number Change – mg KOH/g	6 max	-0.8
Corrosion and Oxidation Stability 72 hrs @ 175 ºC 72 hrs @ 204 ºC 72 hrs @ 218 ºC	 Must pass Must pass Must pass	 Pass Pass Pass
Ryder Gear Test, Relative Rating- Hercolube A	 102 min	 126
Bearing Test Rig Type 1 1/2 Conditions Overall deposit demerit rating Viscosity changer @ 37.8 ºC -%	 80 max -5 to +30	 6 20.9
Total Acid Number Change-mg KOH/g Filter Deposits - g	2 max 3 max	1.0 0.5
Sonic shear stability Viscosity Change @ 40 ºC-%	 4 max	 Nil
Trace Metal Content	Must pass	Pass
Sediment – mg/1	10 max	2.6
Ash – mg 1	1 max	0.05

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at **http://www.equivashellmsds.com.** For more information and availability, call **1+800-782-7852** or visit the World Wide Web: **http://www.shell-lubricants.com/.**