



AeroShell[®] OILS

Single Grades

Aircraft piston engine oils



Product Description

AeroShell[®] Oils are straight mineral oils used primarily during break-in of most four-stroke cycle certificated aviation piston engines. AeroShell Oils are blended from selected high viscosity index base stocks and contain pour point depressants for improved fluidity at cold temperatures. **AeroShell Oils** are available in Aviation Grades 65, 80, 100 and 120 (SAE equivalent grades 30, 40, 50 and 60).

Applications

- four-stroke cycle certificated aircraft reciprocating piston engines when use of an ashless dispersant (AD) oil is not required
- used for break-in of most certificated four-stroke cycle aviation piston engines. The duration and lubrication for break-in vary, so aircraft owners should refer to the original engine manufacturer and/or overhaul facility for specific recommendations.
- antique aircraft, which operate with very low oil temperatures or in aircraft that, have previously been run exclusively on mineral oil for an extend period of time

Features/Benefits

- contain a pour point depressant for improved fluidity at cold temperatures
- compatible with most other aviation oils
- available in a full range of viscosity grades to meet your requirements.
- **AeroShell Oil 80** is USDA approved for use in meat and poultry processing plants where there is no possible contact between lubricant and edible product

Approvals

- the former MIL-L-6082E
- SAE J-1966

Typical Properties of AEROSHELL Oil Single Grades

Product Code	Test Method				
		60003	60004	60005	60006
Aviation Grade		65	80	100	120
SAE Viscosity Grade		30	40	50	60
Viscosity					
@ 100°C, cSt	D445	11.1	14.6	19.4	24.8
SUS @ 210°F	D445	65	79	102	121
Gravity, °API @ 60°F	D1298	28.0	27.0	27.5	25.5
Color	D1500	4.5	5.0	5.0	6.0
Pour Point, °C	D97	-4(-20)	1(-17)	7(-14)	12(-11)
Flash Point, min. COC °C	D92	230	240	250	250
Carbon Residue, wt%.	D189	0.20	0.30	0.40	0.50
Neutralization No., TAN-E	D664	0.01	0.01	0.02	0.02
Sulfur, wt%. max	X-ray ¹	0.3	0.3	0.3	0.3
Cu corrosion, 212°F	D130	1	1	1	1
Ash Content, wt% max	D482	0.006	0.006	0.006	0.006

¹Non-ASTM Test Method

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/>.