



AeroShell[®] OIL W 15W-50

Anti-corrosion, anti-wear, ashless dispersant lubricant for four-cycle CERTIFICATED aircraft reciprocating engines

Product Description

AeroShell Oil W 15W-50 is a multigrade ashless dispersant oil that provides the ultimate in aircraft piston engine protection over a wide range of ambient temperatures. **AeroShell Oil W 15W-50** utilizes a unique blend of high quality mineral oils and synthetic base stocks combined with the **AeroShell Oil W 15W-50** additive system and a unique anti-corrosion and anti-wear additive. This semi-synthetic blend offers high performance in a wide variety of applications and conditions.

Applications

- four-stroke cycle certificated aircraft reciprocating piston engines, including fuel-injected and turbocharged
- most Lycoming and Continental opposed aircraft engines operated over a wide range of ambient temperatures
- Pratt and Whitney radial aircraft engines
- Teledyne Continental Motors liquid cooled aircraft piston engines

NOTE: AeroShell Oil W 15W-50 should not be used for break-in where channel chrome cylinders are being used or in helicopters that use a common sump for the engine and transmission.

Features/Benefits

- low temperature startability and pumpability
- excellent anti-wear and anti-corrosion protection
- outstanding high temperature oxidation protection for hot running engines
- designed to keep engines cleaner with less sludge and varnish buildup in critical ring belt and other vital areas
- completely compatible with AeroShell Oil W Single Grades and AeroShell mineral oils
- superior protection for critical camshafts, lifters and other high wear components
- best all around low temperature performance
- oil pressures and temperatures equal to that of single grade 100 oils at fully warmed up conditions
- unsurpassed high temperature performance

Approvals

- the former MIL-L-22851
- SAE J-1899
- approved for use in all Pratt and Whitney radial aircraft engines
- Lycoming Service Bulletin 446C and 471, plus Service Instruction 1409A
- FAA Airworthiness Directive 80-04-03
- qualified in all Teledyne Continental Motors liquid and air-cooled aircraft piston engines.



Typical Properties of Shell AeroShell Oil W Multigrade 15W-50		
	Test Method	
Product Code		60070
SAE Viscosity Grade		15W-50
Property		
Viscosity:		
@ -15°C, cp	D 2602	3150
@ 100°C, cSt	D 445	19.6
@ 100°F, SSU	D 445	588
@ 130°F, SSU	D 445	300
@ 210°F, SSU	D 445	98.9
Viscosity Index	D 2270	170
Color	D 1500	4.0
Flash Point, COC °C	D 92	240
Pour Point, °C	D 97	-36
Carbon Residue, wt%	D 524	0.10
Sulfur, wt%	D 2622	0.12
Ash Content, wt%	D 482	0.006
Water, wt%		Nil
Precipitation No.	D 91	None
Cu Corrosion		
@ 100°C	D 130	1
@ 204°C	D 130	2
Neutralization No, TAN-E	D 664	0.01
Reaction Test	F 5101 ¹	Neutral
Contamination, mg/gal	F 3006 ¹	Pass

¹ Not an 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/>.