



# AeroShell<sup>®</sup> OIL W 100 PLUS

## Anticorrosion, antiwear, ashless dispersant lubricant for four cycle **CERTIFICATED** aircraft reciprocating engines

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### Product Description

**AeroShell<sup>®</sup> Oil W 100 Plus** is a single grade ashless dispersant (AD) oil that brings together the best qualities of two of the country's best selling four-cycle aviation oils. It has the ashless dispersant single grade performance found in **AeroShell Oil W 100** and the antiwear/anticorrosion additives of **AeroShell Oil W 15W-50** multigrade. Its advanced additives work against engine wear, rust and corrosion in a way no other single grade does. **AeroShell Oil W 100 Plus** is especially effective in protecting critical cam and lifters in all engines.

### Application

- four-stroke cycle certificated aircraft reciprocating piston engines, including fuel-injected and turbocharged
- most Lycoming and Continental opposed aircraft engines operated in mild to warm ambient temperatures
- radial engines during ambient weather conditions where a 100 grade oils is recommended

**AeroShell Oil W 100 Plus** is **NOT** recommended for use in the following applications:

- automotive engines converted for use in aircraft
- helicopters that utilized a common engine and transmission oil sump system
- applications where an other approved lubricant is needed for break-in of engines with channel or hard chrome cylinders

### Features/Benefits

- reduces engine wear and scuffing compared to traditional AD oils
- superior rust and corrosion protection
- compatibility with straight mineral oils, other single grade AD oils and **AeroShell Oil W 15W-50**
- keeps engines clean and free of sludge
- premixed with the Lycoming LW16702 additive technology

### Approvals

- SAE J 1899
- the former MIL-L-22851
- Lycoming Service Bulletin 446C and 471, plus Service Instruction 1409A
- FAA Airworthiness Directive 80-04-03



Typical Properties of AeroShell Oil W 100 Plus		
	Test Method	
Product Code		60071
AVIATION GRADE		100
SAE Viscosity Grade		50
Viscosity		
@ 40°C, cSt	D 445	213
@ 100°C, cSt	D 445	20.2
@ 210°F, SUS	D 445	100
Viscosity Index	D 2270	110
Gravity, API @ 60°F	D 287	27.2
Color	D 1500	4.0
Pour Point, °C	D 97	-20
Flash Point, COC, °C	D 92	260
Carbon Residue, wt%	D 524	0.2
Neutralization No, TAN-E	D 664	0.01
Sulfur, wt%	D 2622	0.14
Ash Content, wt%	D 482	0.006
Precipitation No.	D 91	None
Cu Corrosion	D 130	1
Water, wt%		None
Reaction Test	F 5101 <sup>1</sup>	Neutral
<b>mg/gal</b>	F 3006 <sup>1</sup>	Pass

<sup>1</sup> 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/>.