

AEROSHELL OIL W100 PLUS

AeroShell Oil W100 Plus is a new single grade oil that combines the single grade, ashless dispersant performance found in AeroShell Oil W100 and the anti-wear/anti-corrosion additives of AeroShell Oil W15W-50 Multigrade. It's the oil for pilots who prefer a single grade but who also want the extra protection and performance.

APPLICATIONS

The advanced additives in AeroShell Oil W100 Plus provide better rust and wear protection than conventional single grades. The additives work as a protective barrier to prevent critical parts from being slowly degraded by rust or wear, especially when an aircraft sits idle. This protection helps keep the camshaft and lifters coated, reducing the likelihood of premature damage and helping operators reach TBO.

AeroShell Oil W100 Plus

- Blended from selected high viscosity mineral base oils
- Contains AeroShell's proven W Oils additive package
- Additional anti-wear additives (containing Lycoming additive LW 16702)
- Additional anti-corrosion additives
- Fully compatible with other approved aircraft piston engine oils

SPECIFICATIONS

Approved SAE J-1899 SAE Grade 50

AeroShell Oil W100 Plus already contains, in the correct proportions, an anti-wear additive equivalent to the Lycoming additive LW 16702; thus it already complies with FAA Airworthiness Directive 80-04-03. Operators who use AeroShell Oil W100 Plus **DO NOT** need to add this Lycoming additive to the oil.

AeroShell Oil W100 Plus is qualified for use in all Teledyne Continental Motors liquid cooled and air cooled aircraft piston engines.

EQUIPMENT MANUFACTURERS' APPROVALS

AeroShell Oil W100 Plus is approved for use by the following engine manufacturers:

Textron Lycoming	Service Bulletin 446C
Teledyne Continental	SIL 99-2
FAA	Airworthiness Directive 80-04-03R2

Properties	SAE J-1899 SAE 50	Typical
Colour ASTM	–	<3.0
Density @ 15°C	kg/l Report	0.893
Kinematic Viscosity @ 100°C @ 40°C	mm ² /s 16.3-21.9 Report	19.96 195
Viscosity Index	95 min	116
Pourpoint	°C –18 max	–21
Flashpoint Cleveland Open Cup	°C 243 min	288
Total Acidity	mgKOH/g 1.0 max	0.02
Sulphur	% m 1.0 max	0.26
Copper corrosion	1 max	1B
Ash content	% m 0.011 max	0.002

A viscosity/temperature chart is shown at the end of this section.