

Technical Data Sheet

AeroShell Oil W80 Plus

AeroShell Oil W80 Plus is a single grade oil that combines proven AeroShell ashless dispersant technology with advanced antiwear additives. It's the oil for pilots who want a single grade that delivers extra protection and performance. AeroShell Oil W80 Plus brings together the best qualities of two of the world's best-selling four-cycle aviation oils. It has the single grade, ashless dispersant performance found in AeroShell Oil W 80 and the anti-wear/anti-corrosion additives of AeroShell Oil W 15W-50 Multigrade.

Typical Physical Characteristics

Typical Properties	W80 Plus
SAE viscosity grade	40
Colour – ASTM	4.0
Density @ 15°C - g/l	0.887
Kinematic viscosity - mm ² /s	
@ 100°C	14.5
@ 40°C	126
Viscosity Index	115
Pour point - °C	< -18
Flashpoint (COC) °C	> 240
Carbon Residue - % m	0.3
Total acidity - mgKOH/g	<0.1
Sulphur - % m	0.13
Cu corr. @ 100°C	1
Ash content - %m	0.006

Specifications

Our premium single grade meets the specifications of SAE J-1899 and the former MIL-L-22851D. It conforms to FAA Airworthiness Directive 80-04-03 and Lycoming Service Bulletin 446L, and it contains the formulation recommended for Continental engines by many industry experts.

- Fully approved to SAE J-1899 specification (previously MIL-L-22851D)
- Fully meets FAA Airworthiness Directive 80-04-03 and Lycoming Service Bulletins/Instructions

Applications

The advanced additives in AeroShell Oil W80 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 eaten away by rust or wear, especially when an aircraft sits idle (which more and more planes do these days). This protection helps keep the camshaft and lifters coated, reducing the likelihood of premature overhaul, helping you reach TBO.

Like all our oils, AeroShell Oil W80 Plus is engineered to keep engines clean and free of sludge. It helps reduce oil consumption and protects engine parts from metal-on-metal wear. The bottom line is a healthier, longer-lasting engine.

Features

- 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

Benefits

- Superior rust and corrosion protection giving that extra protection to engine parts that may be susceptible to extreme rusting.
- Improved anti-wear characteristics particularly at engine start-up; eliminates that need for supplemental additives required by certain Lycoming engines.
- Promotes Engine Cleaness. The non-ash forming, polymeric additive helps eliminate the harmful combustion chamber and spark plug deposits that form during normal operation.
- Protects engine components more effectively under the high shear stresses that an engine places on lubricants.
- Provides Compatibility with other approved aircraft piston engine oils.
- Superior wear and corrosion protection for the single grade user.