



Type A 100AW Aviation Oil

Phillips 66 Type A 100AW Aviation Oil is an ashless dispersant, single-grade engine oil pre-blended with the correct concentration of antiwear additive (LW-16702) mandated by Lycoming Service Bulletins 446, 471 and Service Instruction 1409. It is recommended for use in opposed piston and radial piston aircraft engines where cam lifter wear is a concern.

The ashless dispersant formulation helps minimize the formation of engine sludge, varnish, piston deposits and combustion chamber deposits. This results in a much cleaner engine compared to the use of straight mineral oils. This oil has a high-viscosity index and low pour point compared to other single-grade aircraft engine oils, allowing its use over a wide temperature range.

Type A 100AW Aviation Oil is FAA approved as an alternate method of compliance to AD80-04-03 R2, paragraph b.1.

Applications

- Type A 100AW Aviation Oil is recommended for opposed piston aircraft engines

Type A 100AW Aviation Oil meets the requirements of:

- Avco Lycoming Material Specification No. 301G
- Pratt & Whitney Bulletin No. 1183 "U"
- SAE Standard J1899
- Teledyne Continental Material Specification MHS-24B
- U.S. Military Specification MIL-L-22851D for additive treatment

QPL approval number: D07L2-50

Features/Benefits

- Ashless dispersant helps minimize engine sludge and varnish deposits for a cleaner engine
- Pre-blended with Lycoming-approved antiwear additive
- High-film strength for protection against wear and piston scuffing
- High-viscosity index and low pour point for use over a wide temperature range
- Protects against rust and corrosion
- Same high-quality base oils as used in Phillips 66 X/C® Aviation Oil

Ashless, Single-Grade Engine Oil With Antiwear Additive For Aircraft Piston Engines

Contact Information

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1-800-822-6457**

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Type A100 AW Aviation Oil

Typical Properties

SAE Grade	50
Gravity, °API	27.0
Density, g/cm ³ @ 15.6°C (60°F)	0.893
Color, ASTM D1500	3.0
Flash Point (COC), °C (°F)	255 (491)
Pour Point, °C (°F)	-27 (-17)
Viscosity,	
cSt @ 40°C	189
cSt @ 100°C	19.5
Viscosity Index	118
Acid Number, ASTM D664, mg KOH/g	0.04
Ash Content, SAE J1787, wt %	Nil
Copper Corrosion, ASTM D130	Pass
Foam Test, ASTM D892	Pass

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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