



Aviation Anti-Rust Oil

Phillips 66® Aviation Anti-Rust Oil is a rust preventive oil specially formulated to help protect aircraft piston engines against rust and corrosion during extended periods of inactivity. Airframe manufacturers have used it for many years as “Fly Away Oil” for new or rebuilt aircraft engines that are expected to sit idle for extended periods of time. Aviation Antirust Oil may be used as “break-in oil” where an all-mineral oil is desired, and is particularly suited for situations where the engine to be broken in may not be immediately put into regular service.

When preparing an aircraft for storage, drain the used engine oil and refill with Aviation Anti-Rust Oil. Start the engine and warm it up to normal operating temperature to ensure that the new oil is fully circulated throughout the engine and allowed to coat all engine parts. For best results, fly the aircraft prior to storage. Covering exhaust and intake ports is recommended to minimize exposure to moisture during storage.

Aviation Anti-Rust Oil is **not** designed to be an everyday operational engine oil in aircraft that are flown frequently. It does not contain ashless dispersant additives. Operation time on this oil should not exceed 10 hours. When returning the plane back to normal operation after storage, this oil should be replaced with regular operational engine oil such as Phillips 66 X/C® 20W-50 Aviation Oil.

Aviation Anti-Rust Oil is compatible with our other aviation engine oils, and may be used as a “supplement” to those products to enhance rust and corrosion protection when used in infrequently flown aircraft, particularly where high humidity is a concern. When used as a supplement, we recommend replacing up to 10% of the crankcase volume with Aviation Antirust Oil in place of the normal operational engine oil.

Applications

- Engine preservative oil
- Limited-time “break-in” oil

Aviation Antirust Oil meets the requirements of:

- SAE Standard J1966
- U.S. Military Specification MIL-C-6529C
- U.S. Military Specification MIL-L-6082E (Base Oil) (obsolete)

Features/Benefits

- Excellent rust and corrosion protection

Rust & Corrosion Preventive Oil for Aircraft Piston Engines

KEEPING THE
WORLD
RUNNING
SMOOTHLY.





Aviation Anti-Rust Oil

Typical Properties	
SAE Grade	20W-50
Gravity, °API	28.8
Specific Gravity @ 60°F	0.883
Density, lbs/gal @ 60°F	7.35
Color, ASTM D1500	2.5
Flash Point (COC), °C (°F)	240 (464)
Pour Point, °C (°F)	-24 (-11)
Viscosity, Kinematic	
cSt @ 40°C	176
cSt @ 100°C	19.1
Viscosity Index	123
Cold Cranking Viscosity, cP @ -15°C	8,865
Ash Content, SAE J1787, wt %	Nil
Copper Corrosion, ASTM D130	Pass

Health Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://3apps.phillips66.com/NetMSDS>.

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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