



Type M Aviation Oil

Phillips 66 Type M Aviation Oil is an ashless, nondispersant, multigrade engine oil recommended for use in aircraft piston engines where the operator prefers mineral-based engine oil that does not contain any dispersant additives. It provides easier starting and quicker oil circulation at low temperatures compared to single-grade mineral oils, while maintaining high-film strength for protection under high-temperature and high-load operations that can help reduce cylinder glazing tendencies.

Type M Aviation Oil typically is used as break-in oil for newly overhauled engines where all-mineral type oils are recommended. Break-in normally is accomplished in less than 25 hours of engine operation.

Applications

- Aircraft piston engines where the operator prefers a nondispersant oil
- “Break-in” oil for newly overhauled aircraft engines

Type M Aviation Oil meets the requirements of:

- SAE Standard J1966
- U.S. Military Specification MIL-L-6082

QPL approval number: N06L1-20W-50 (Type M)

Features/Benefits

- Easier starting and quicker oil circulation at low temperatures compared to single-grade oils
- High-film strength for high-temperature, high-load operations, such as takeoff

**Nondispersant,
Multigrade
Engine Oil For
Aircraft Piston
Engines**

Contact Information

**U.S. Customer
Service:
1-800-822-6457**

**Technical Support:
1-800-766-0050**

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Type M Aviation Oil

Typical Properties

SAE Grade	20W-50
Gravity, °API	30.4
Density, g/cm ³ @ 15.6°C (60°F)	0.874
Color, ASTM D1500	2.0
Flash Point (COC), °C (°F)	234 (453)
Pour Point, °C (°F)	-30 (-22)
Viscosity,	
cSt @ 40°C	166
cSt @ 100°F	19.5
Viscosity Index	135
Cold Cranking Viscosity, cP @ -15°C	5,360
Ash Content, SAE J1787, wt %	Nil

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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