



Victory® Diesel Aviation Oil 10W-40

Phillips 66® Victory Diesel Aviation Oil 10W-40 is a fully synthetic multi-viscosity engine oil specifically designed for air and liquid cooled compression ignition diesel type piston aviation engines. It contains both detergents and dispersants to help keep engines clean as well as robust antiwear additives to protect engine components.

The detergent and dispersant containing formulation helps minimize the formation of engine sludge, varnish, piston deposits and combustion chamber deposits resulting in a much cleaner engine. It is specifically formulated to protect both 2-stroke and 4-stroke compression ignition aviation engines. This oil has a high viscosity index and low pour point, allowing its use over a wide temperature range. Additionally, it contains a specially balanced anti-foam additive to protect against air entrainment and foam generation.

Victory Diesel Aviation Oil 10W-40 is recommended exclusively for use in Continental Aerospace Technologies' CD-200 engine as well as DeltaHawk's engine product line. It may be used in other compression ignition aviation engines after consulting with the engine manufacturer.

Applications

- Compression ignition piston aircraft engines:
 - Air cooled and liquid cooled
 - 2-stroke and 4-stroke combustion cycle

Features/Benefits

- Formulated with synthetic basestocks for strong protection against oxidation during long periods of operation
- Dispersants help suspend diesel particulate within the oil for a cleaner engine
- Detergents minimize engine sludge, varnish and deposits for a cleaner engine
- Robust antiwear package to protect against engine wear
- High film strength for protection against wear and piston scuffing
- High viscosity index and low pour point for use over a wide temperature range
- Robust foam resistance to protect against air entrainment
- Protects against rust and corrosion

Note: *Victory Diesel Aviation Engine Oil 10W-40 should **not** be used in aviation engines using 100LL aviation fuel.*

**Fully Synthetic
Aviation Engine
Oil for Aircraft
Compression
Ignition Engines**

KEEPING THE
WORLD
RUNNING
SMOOTHLY. 



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Typical Properties	
SAE Grade	10W-40
Gravity, °API	33.8
Specific Gravity @ 60°F	0.856
Density, lbs/gal @ 60°F	7.13
Color, ASTM D1500	3.0
Flash Point (COC), °C (°F)	234 (453)
Pour Point, °C (°F)	-45 (-49)
Viscosity, Kinematic	
cSt @ 40°C	99
cSt @ 100°C	15.2
Viscosity Index	160
Ash Content, SAE J1787, wt %	1.36
Copper Corrosion, ASTM D130	Pass
Foam Test, ASTM D892	Pass

Health & Safety Information

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

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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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