



Aviation Smoke Oil

Phillips 66 Aviation Smoke Oil is a high quality fluid for use in both piston engine and turbine engine smoke systems. Phillips 66 Aviation Smoke oil can be readily vaporized due to its low viscosity. It also possess good low temperature properties. It is also the smoke oil of choice for the Phillips 66 Aerostars Aerobatic team.

Applications

Aircraft smoke systems requiring a paraffin based light viscosity oil

- Piston powered aircraft smoke system
- Turbine powered aircraft smoke system

Features/Benefits

- Paraffin based
- Easy vaporization due to low viscosity
- Good low-temperature properties

**Paraffin based
smoke oil for
use in both
piston and
turbine powered
aircraft**

Aviation Smoke Oil

Typical Properties	
ISO Grade	10/15
Gravity, °API @ 60°F	33.8
Specific Gravity @ 60°F	0.856
Density, lbs/gal @ 60°F	7.13
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	196 (385)
Pour Point, °C (°F)	-34 (-29)
Viscosity	
cSt @ 40°C	12.6
cSt @ 100°C	3.0
SUS @ 100°F	72.0
SUS @ 210°F	36.4
Viscosity Index	87
Acid Number, ASTM D664, mg KOH/g	<0.05
Aniline Point, ASTM D611, °C (°F)	96 (205)

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