



## 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                |              |
|-----------------------------------|--------------|
| <b>ISO Grade</b>                  | <b>10/15</b> |
| 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)     |

KEEPING THE  
WORLD  
RUNNING  
SMOOTHLY.

