



PISTON AIRCRAFT ENGINE LUBRICATING OIL

SAE J1899 Grade 40 (ex : MIL-L-22851 D type III, AIR 3570/D grade 80, NATO CODE O-123)

DESCRIPTION

Turbonycoil 3570 SAE 40 is a petroleum dispersive lubricating oil with a 15 mm²/s viscosity at 100°C.

Turbonycoil 3570 SAE 40 is produced from selected mineral base stocks blended with ashless additives to improve low temperature fluidity and engine cleanliness.

Moreover Turbonycoil 3570 SAE 40 also contains in the correct proportion an anti-wear additive equivalent to the Lycoming additive LW-16702. As a consequence LW-16702 additive DOES NOT have to be added to Turbonycoil 3570 SAE 40 during the oil changes.

Turbonycoil 3570 SAE 40 complies with SAE J1899 Grade 40 requirements, as well as former military specification MIL-L-22851 type III and AIR 3570/D grade 80, now obsolete.



APPLICATIONS

- 4-stroke reciprocating piston aircraft engine

| CHARACTERISTIC | UNIT | TYPICAL RESULT | SAE J1899 GRADE 40 LIMIT | TEST METHOD |
|--------------------------------------|--------------------|-------------------------------|--------------------------|--------------------|
| Appearance | - | Bright and clear brown liquid | Brown liquid | Visual examination |
| Density at 20°C | kg/dm ³ | 0.874 | Report | ASTM D4052 |
| Kinematic viscosity at 100°C 40°C | mm ² /s | 15.0 122 | 12.5 – 16.3 Report | ASTM D445 |
| Viscosity Index | - | 127 | min. 100 | ASTM D2270 |
| Flash point COC | °C | 275 | min. 225 | ASTM D92 |
| Pour point | °C | -30 | max. -22 | ASTM D97 |
| Sulfur content | %w | 0.3 | max. 1.0 | ASTM D2622 |
| Acid number | mgKOH/g | 0.02 | max. 1.00 | ASTM D664 |

The values above are typical values. They do not constitute any contractual commitment.

Sales specifications are available on request. The present technical data sheet replaces all the previous editions.