



**PISTON AIRCRAFT ENGINE LUBRICATING OIL**

**NATO CODE O-123**

**DESCRIPTION**

Turbonycoil 3570 SAE 40 is a petroleum dispersive lubricating oil with a 15 mm<sup>2</sup>/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

**SPECIFICATIONS \* / OEM's & Airframers reference**

- Meets SAE J1899 Grade 40
- Meets MIL-L-22851 Type III (obs)
- Meets AIR 3570/D Grade. 80 (obs)

\* **Meets:** The product complies with all the requirements of the specification and has not been formally approved or approval is in progress or the specification is obsolete.

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 <sup>3</sup>	0.874	Report	ASTM D4052
Kinematic Viscosity at 100°C 40°C	mm <sup>2</sup> /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.