



MINERAL TURBINE OIL

NATO CODE O-133

**DESCRIPTION**

Turbonycoil 3516 is a mineral turbine oil blended from mineral naphthenic base stocks and anti-oxidant additives, with a viscosity of 3 cSt at 100°C. It retains a low viscosity at very low temperature, down to - 60°C.



**APPLICATIONS**

- Turbines and accessories (APU, starter, IDG, etc.) of commercial and military aircraft and helicopters of first generation
- Preservation oil for aircraft engine fuel control system

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

- Approved MIL-PRF-6081 E Gr. 1010
- Approved MIL-PRF-6081 E Gr. 1010 N
- Approved DCSEA 235/A 2cSt (ex. AIR 3516/A)
- Listed in Airbus CML 03BEB1
- Listed in CFMI CP 5066
- Listed in Boeing CML D00124
- Listed in Airbus Helicopters CM133

\* **Approved:** The product has been approved by the relevant authority. The product is referenced on the applicable qualified product list.

CHARACTERISTIC	UNIT	TYPICAL RESULT	AIR 3516/A LIMIT	TEST METHOD
Colour	-	0.5	max. 5.5	ASTM D1500
Density at 20°C	kg/dm <sup>3</sup>	0.846	report	ASTM D4052
Kinematic Viscosity at 40°C at 100°C at - 40°C after 35 min. after 3 h Change after 3 h	mm <sup>2</sup> /s	11.3 2.9 2451 2461 0.4	min. 10.0 report max. 3000 max. 3000 max. 2.0	ASTM D2532
Pour Point	°C	- 61	max. - 57	ASTM D97
Flash Point	°C	170	min. 132	ASTM D92
Sedimentation Number	cm <sup>3</sup>	nil	nil	ASTM D91
Foaming Test (tendency / stability) at 24°C at 94°C at 24°C after 94°C	cm <sup>3</sup> /cm <sup>3</sup>	25/0 15/0 25/0	report report report	ASTM D892
Acid Number	mg KOH/g	0.01	max. 0.10	ASTM D664
Copper Corrosion, 3 h at 121°C	-	1 b	max. 1 b	ASTM D130
Oxidation-Corrosion Test, 168 h at 121°C Viscosity Change at 40°C Acid Number Change Metal Weight Change Steel Copper Cadmium Aluminium Magnesium Deposits	% mg KOH/g mg/cm <sup>2</sup> mg/100cm <sup>3</sup>	+ 0.7 + 0.02 0.0 0.0 0.0 0.0 0.0 0.15	- 5 to + 20 max. +/- 0.20 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 max. 20	FTM-S-791-5308

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 edition.