NYCO
AERONAUTICS & DEFENCE

TURBONYCOIL 3516

TECHNICAL DATA SHEET

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 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/dm³	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**	mm²/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	cm³	nil	nil	ASTM D91
Foaming Test (tendency / stability) **at 24°C** **at 94°C** **at 24°C after 94°C**	cm³/cm³	 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/cm² mg/100cm³	 + 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. +/- 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.

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