



SYNTHETIC LUBRICATING OIL FOR TURBOPROPELLER ENGINE

NATO CODE O-149 - DEF STAN 91-98 ISS 2 - OX-38

DESCRIPTION

Turbunycoil 35 M is made of a polyalkyleneglycol thickened diester and contains specific additives to improve its anti-oxidant and anticorrosion properties. It is a lubricating oil with a viscosity of 7.5 cSt at 100 °C.



APPLICATIONS

- Turbine oil (power plant, APU, starter, IDG, etc.) for civil and military aircrafts and especially for turbopropellers (Dart engines)
- Accessory equipment of aircrafts
- Preventing wear of the critical components of turbo propellers (gear box and pitch control unit)

CHARACTERISTIC	UNIT	TYPICAL RESULT	DEF STAN 91-98 LIMIT	TEST METHOD
Appearance	-	conform	clear and bright	visual examination
Density at 15°C	kg/dm ³	0.940	report	ASTM D4052
Flash point	°C	237	min. 216	ASTM D92
Pour point	°C	- 58	max. - 54	ASTM D97
Acid number	mg KOH/g	0.02	report	ASTM D664
Kinematic viscosity at at 100°C at 40°C at - 40°C	mm ² /s	7.70 32.9 11000	min. 7.35 max. 36.0 max. 13000	ASTM D445
Foaming test (tendency/stability) at 24°C at 94°C at 24 after 94°C	cm ³ / min	0/0 10/0 0/0	max. 25/0 max 25/0 max 25/0	ASTM D892
Solid particle contamination Sediment content (1.2µm)	mg/dm ³	0.3	max. 10	FTM-S-791-3010
Trace metal content Ag, Al, Cr, Cu, Fe, Mg, Mo, Ni, Pb, Si, Sn, Ti	mg/kg	0	max. 2	ASTM D5185 (Induction Coupled Plasma Spectroscopy)
High Temperature Oxidation Stability test, 25 h at 185°C TAN increase	mg KOH/g	0.44	max. 1.50	DEF STAN 05-50 Part 61 METHOD N°9

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.