NYCO
AERONAUTICS & DEFENCE

TURBONYCOIL 35 M

TECHNICAL DATA SHEET

SYNTHETIC LUBRICATING OIL FOR TURBOPROPELLER ENGINE NATO CODE O-149

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)

SPECIFICATIONS * / OEM's & Airframers reference

- Approved DEF STAN 91-98 Iss. 2 / OX-38

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

CHARACTERISTIC	UNIT	TYPICAL RESULT	DEF STAN 91-98 LIMIT	TEST METHOD
Appearance	-	conform	clear and bright	visual examination
Density at 15°C	kg/dm³	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**	mm²/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**	cm³ / 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/dm³	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 edition.

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