Turbonycoil 35 M

AIRCRAFT SYNTHETIC OIL
FOR TURBOPROPELLER ENGINES

OX-38 – O-149 – DEF STAN 91-98 Iss.2

Description

Turbonycoil 35 M is made of a polyglycol 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.

Application

Turbonycoil 35 M is intended for the lubrication of some aircraft and marine turbine engines as well as accessory equipment.

It is validated for use on Rolls-Royce DART engines and has accumulated over 500 000 flight hours on this engine.

Turbonycoil 35 M is particularly designed to prevent wear of the critical components of turbo propellers (gear box and pitch control unit).

Characteristic	Unit	Result	Limit*	Test method
- Appearance	-	conform	clear and bright	visual examination
- Density at 15°C	kg/dm^3	0.941	report	ASTM D 4052
- Flash point	°C	246	min. 216	ASTM D 92
- Pour point	°C	- 63	max. - 54	ASTM D 97
- Total acid number Base stock Fully formulated oil	mg KOH/g	 0.01 0.03	 max. 0.1 report	ASTM D 664
- Kinematic viscosity at 100°C 40°C - 40°C	mm²/s	 7.72 33.3 11120	 min. 7.35 max. 36.0 max. 13000	ASTM D 445
- Foaming at 24°C Tendency Stability	cm^3	 15 0	 max. 25 0	ASTM D 892
- Foaming at 94°C Tendency Stability	cm^3	 20 0	 max. 25 0	
- Foaming at 24°C/94°C Tendency Stability	cm^3	 15 0	 max. 25 0	
- Solid particle contamination Sediment Total ash of sediment	mg/dm^3	 < 1 -	 max. 10 max. 1	 FTM-S-791 method 3010
- Trace element content Aluminium Chromium Copper Iron Lead Magnesium Nickel Silver Titanium Silicon	mg/kg	 0 0 0 0 0 0 0 0 0 3.0	 max. 2 max. 2 max. 2 max. 2 max. 2 max. 2 max. 2 max. 2 max. 2 max. 4	 ICP
- High Temperature Oxidation stability 25 h at 185°C TAN increase (at pH = 11)	mg KOH/g	 0.50	 max. 1.50	DERD METHOD N°9

* Specification DEF STAN 91-98

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.

NYCO S.A. 66 avenue des Champs Elysées BP 414 75366 PARIS CEDEX 8 France Tél. 33 (0)1 45 61 50 00 Fax : 33 (0)1 45 61 50 13 e.mail : info@nyco.fr http://www.nyco.fr

TTN35M-1E5a