Turbonycoil 98

AIRCRAFT SYNTHETIC OIL FOR TURBOPROP ENGINES

OX-38 – O-149 – DEF STAN 91-98 Iss.2 – Analog B3V (TU38 101295-85)

Description

Turbonycoil 98 is made of a polyglycol thickened diester and contains specific additives to improve its anti-oxidant properties. It is a lubricating oil with a viscosity of 7.5 cSt at 100°C.

Application

Turbonycoil 98 is intended for the lubrication of some aircraft and marine turbine engines as well as accessory equipment, particularly on turboprop engines where a high viscosity oil is required to protect the gears from heavy wear.

Turbonycoil 98 is widely used on Russian-made helicopters as an analog for the Russian oil B3V (specification TU 38 101295-85) to lubricate the engine and the main rotor gearbox. Turbonycoil 98 is approved by the Russian Institute of Aviation Motors (CIAM) for use on such equipments.

Characteristic		Unit	Result	Limit*	Test method
- Appearance		-	conform	Clear and bright	visual examination
- Density at 15°C		kg/dm^3	0.946	report	ASTM D 4052
- Flash point		°C	234	min. 216	ASTM D 92
- Pour point		°C	- 60	max. - 54	ASTM D 97
- Total acid number Base stock Fully formulated oil		mg KOH/g	 0.01 0.08	 max. 0.1 report	ASTM D 664
- Kinematic viscosity at	100°C 40°C - 40°C	mm²/s	7.86 33.8 11386	min. 7.35 max. 36.0 max. 13000	ASTM D 445
- Foaming at 24°C	Tendency Stability	cm^3	5 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	 0.80	 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.

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