



AIRCRAFT SYNTHETIC OIL FOR TURBOPROPELLER ENGINE

B-3V

DESCRIPTION

Turbonycoil 98 is made of a polyalkyleneglycol 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.

APPLICATIONS

Turbonycoil 98 is intended for the lubrication of some aircraft and marine turbine engines as well as accessory equipment, particularly on turbopropeller 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.



SPECIFICATIONS * OEM's & Airframers reference

- Analog to TU 38 101295-85

- Analog to B-3V

* **Analog:** The product complies with the major requirements of the Russian specification. The product is referenced on the product list recommended for Russian aviation by the Central Institute of Aviation Motors (CIAM).

CHARACTERISTIC	UNIT	TYPICAL RESULT	DEF STAN 91-98 LIMIT	TEST METHOD
Appearance	-	conform	clear and bright	Visual examination
Density at 20°C	kg/dm ³	0.942	report	ASTM D4052
Flash point	°C	232	min. 216	ASTM D92
Pour point	°C	- 57	max. - 54	ASTM D97
Total Acid Number of the base stock of the fully formulated oil	mg KOH/g	0.01 0.07	max. 0.1 report	ASTM D664
Kinematic Viscosity at 100°C at 40°C at - 40°C	mm ² /s	7.8 33.4 10650	min. 7.35 max. 36.0 max. 13000	ASTM D445
Foaming Test (tendency / stability) at 24°C at 94°C at 24°C after 94°C	cm ³ /cm ³	0/0 10/0 5/0	max. 25 / 0 max. 25 / 0 max. 25 / 0	ASTM D892
Trace Element Content				
Aluminium		0	max. 2	ASTM D5185 (Inducted Coupled Plasma)
Chromium		0	max. 2	
Copper		0	max. 2	
Iron		0	max. 2	
Lead		0	max. 2	
Magnesium		0	max. 2	
Nickel		0	max. 2	
Silver		0	max. 2	
Titanium		0	max. 2	
Silicium		1	max. 4	
High Temperature Oxidation Stability, 25 h at 185°C Acid number increase	mg KOH/g	0.35	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.