



LOW VISCOSITY PETROLEUM LUBRICATING OIL

NATO CODE O-135

DESCRIPTION

Turbonycoil 280 P is a light mineral oil with very good low temperature fluidity. It contains 0.05 % of stearic acid to improve its adherence to metallic surfaces and protect against corrosion. It is inhibited against oxidation.

APPLICATIONS

- Turbine oil of civil and military aircrafts and helicopters of firsts generations
- Preservative oil for engine and fuel systems of aircrafts and helicopters
- Instrument oil of aircrafts and helicopters
- Lubricating oil for weapons



SPECIFICATIONS * / OEM's & Airframers reference

- Approved DCSEA 135/A 3cSt (ex. AIR 3515/B)
- Listed in Airbus Helicopters CM105 (obsolete)
- Listed in Airbus Helicopters CM122

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

CHARACTERISTIC	UNIT	TYPICAL RESULT	DCSEA 235/A 3cSt LIMIT	TEST METHOD
Appearance	-	conform	limpid	Visual exam
Density at 20°C	kg/dm ³	0.862	report	ASTM D4052
Kinematic Viscosity at 100°C	mm ² /s	3.2	report	ASTM D445
Kinematic Viscosity at 40°C	mm ² /s	14.2	min. 12.2	
Kinematic Viscosity at -25°C after 35 min	mm ² /s	890	max. 1250	ASTM D2532
after 3 h	mm ² /s	890	max. 1250	
Pour Point	°C	- 48	max. - 45	ASTM D97
Flash Point	°C	165	min. 154	ASTM D92
Acid Number	mg KOH/g	0.13	max. 0.3	ASTM D664
Saponification Number	mg KOH/g	0.7	max. 1.0	ASTM D94
Copper Corrosion 3 h at 100°C		1a	max. 1b	ASTM D130
Trace Sediment	% v/v	0.0	0.005	ASTM D2273
Ash Content	%w	0.005	max. 0.01	ASTM D482
Foaming Test (tendency/stability) at 24°C	cm ³ /cm ³	20 / 0	report / 0	ASTM D892
at 93.5°C	cm ³ /cm ³	20 / 0	report / 0	
at 24°C (after 93;5°C)	cm ³ /cm ³	20 : 0	report / 0	
Oxidation-Corrosion Test, 168 h at 121°C				
Viscosity Change at 40°C	%	0.2	- 5 to + 20	ASTM D4636
Acid Number Change	mg KOH/g	0.02	max. 0.20	
Sediments	mg/100 ml	0.5	max. 20	
Metal Weight Change	mg/cm ²			
Steel		0.0	max. +/- 0.2	
Magnesium		0.0	max. +/- 0.2	
Aluminium		0.0	max. +/- 0.2	
Copper		0.0	max. +/- 0.2	
Cadmium		0.0	max. +/- 0.2	

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.