



## LOW VISCOSITY PETROLEUM LUBRICATING OIL

**NATO CODE O-135 – AIR 3515/B Iss.3**

### 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. It is inhibited against oxidation.



### MAIN 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

Characteristic	Unit	Typical Result	AIR 3515/B Limit	Test method
- Appearance	-	conform	limpid	Visual exam
- Density at 20°C	kg/dm <sup>3</sup>	0.862	report	ASTM D 4052
- Kinematic viscosity at at 98.9°C at 37.8°C	mm <sup>2</sup> /s	3.2 14.2	report min. 13.0	ASTM D 445
- Low temperature stability at -26°C after 35 min after 3 h	mm <sup>2</sup> /s	890 890	max. 1250 max. 1250	ASTM D 2532
- Pour point	°C	- 48	max. - 45	ASTM D 97
- Flash point	°C	165	min. 155	ASTM D 92
- Acid number	mg KOH/g	0.13	max. 0.30	ASTM D 974
- Saponification number	mg KOH/g	0.70	max. 1.00	ASTM D 94
- Copper corrosion 3 h at 100°C		1a	max. 1b	ASTM D 130
- Sedimentation number without gasoline	cm <sup>3</sup>	0.0	0.0	ASTM D 91
- Ash content	%w	0.005	max. 0.010	ASTM D 482
- Foaming test at 24°C (tendency/stability)	cm <sup>3</sup> /cm <sup>3</sup>	30 / 0	report / 0	ASTM D 892
- Oxidation-corrosion test, 168 h at 121°C				
Viscosity change at 40°C	%	0.2	- 5 to + 20	
Acid number change	mg KOH/g	0.02	max. 0.50	
Sediments	mg/100 ml	0.5	max. 20	
Metal weight change	mg/cm <sup>2</sup>			FTM-S-791- 5308
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.

