



MINERAL TURBINE OIL

NATO CODE O-133 - AIR 3516/A ISS.2 - MIL-PRF-6081E GRADE 1010

CFMI CP 5066 - Boeing CML D00124

DESCRIPTION

Turbonycoil 3516 is a mineral turbine oil blended from mineral naphthenic base stocks and anti-oxidant additives, with a viscosity of 3 cSt at 100°C. It retains a low viscosity at very low temperature, down to - 60°C.



APPLICATIONS

- Turbines and accessories (APU, starter, IDG, etc.) of commercial and military aircrafts and helicopters of first generation
- Preservation oil for aircraft engine fuel control system

CHARACTERISTIC	UNIT	TYPICAL RESULT	AIR 3516/A LIMIT	TEST METHOD
Colour	-	0.5	max. 5.5	ASTM D1500
Density at 20°C	kg/dm ³	0.846	report	ASTM D4052
Kinematic viscosity	mm ² /s	11.3	min. 10.0	ASTM D2532
at 40°C		2.9	report	
at 100°C				
at - 40°C				
after 35 min.		2451	max. 3000	
after 3 h		2461	max. 3000	
change after 3 h	%	0.4	max. 2.0	
Pour point	°C	- 61	max. - 57	ASTM D97
Flash point	°C	170	min. 132	ASTM D92
Sedimentation number	cm ³	nil	nil	ASTM D91
Foaming test (tendency / stability)				ASTM D892
at 24°C		25/0	report	
at 94°C	cm ³ /cm ³	15/0	report	
at 24°C after 94°C		25/0	report	
Acid number	mg KOH/g	0.01	max. 0.10	ASTM D664
Copper corrosion, 3 h at 121°C	-	1 b	max. 1 b	ASTM D130
Oxidation-corrosion test, 168 h at 121°C				FTM-S-791-5308
Viscosity change at 40°C	%	+ 0.7	- 5 to + 20	
Acid number change	mg KOH/g	+ 0.02	max. +/- 0.20	
Metal weight change	mg/cm ²			
Steel		0.0	max. +/- 0.2	
Copper		0.0	max. +/- 0.2	
Cadmium		0.0	max. +/- 0.2	
Aluminium		0.0	max. +/- 0.2	
Magnesium		0.0	max. +/- 0.2	
Deposits	mg/100cm ³	0.15	max. 20	

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