



SYNTHETIC LUBRICATING OIL

NATO CODE O-147 – MIL-PRF-6085E – AIR 3511/A Iss.2
DEF STAN 91-49 Iss.1 – OX-14

DESCRIPTION

Nycolube 11B is a synthetic lubricating oil with a viscosity of 13 cSt at 40°C, based on neopolyol esters. It is inhibited against oxidation and corrosion.



APPLICATIONS

- Corrosion preventive
- Instrument oil
- Electronic equipment
- Automatic pilot (low fogging)
- General lubrication (moving aircraft parts: pins, locks...)

Characteristic	Unit	Typical Result	MIL-PRF-6085E Limit	Test method
- Appearance	-	conform	limpid homogeneous	visual examination
- Color	-	1.0	max. 5.0	ASTM D 1500
- Acid number	mg KOH/g	0.05	report	ASTM D 974
- Kinematic viscosity				
@ 54.4°C	mm ² /s	8.20	mini. 8.0	ASTM D445
@ -54°C		10624	max. 12000	
- Pour point	°C	< -60	< -57	ASTM D 97
- Flash point , COC	°C	216	min. 185	ASTM D 92
- Evaporation loss 22 h @ 120°C	%w	1.2	max. 1.8	ASTM D 972
- Precipitation number	cm ³ /100 cm ³	0	0	ASTM D 91
- Stability at low temperature, 72h @ -54°C	-	pass	MIL-PRF-6085	MIL-PRF-6085
- Corrosion and oxidative stability 168 h @ 121°C				
Change after test				
Total acid number change	mg KOH/g	0.2	max. 0.5	
Viscosity at 40°C change	mm ² /s	0.0	max. +/- 5.0	
Metal weight change	-			ASTM D 4636
cadmium	mg/cm ²	0.0	max. +/- 0.2	
copper	mg/cm ²	0.0	max. +/- 0.2	
steel	mg/cm ²	0.0	max. +/- 0.2	
aluminium	mg/cm ²	0.0	max. +/- 0.2	
magnesium	mg/cm ²	0.0	max. +/- 0.2	
- Protection of panels, humidity cabinet	h	>200	min 100	ASTM D 1748

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.

