



SYNTHETIC LUBRICATING OIL

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

AIRBUS CML 03AGB1 - ATR CML 03-007 - CFMI CP 5067

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 protection
- Instrument and electronic equipment
- Automatic pilot (low fogging)
- General lubrication (moving aircraft parts: pins, locks, etc.)



| CHARACTERISTIC | UNIT | TYPICAL RESULT | MIL-PRF-6085E LIMIT | TEST METHOD |
|--|---|--|---|--------------------|
| Appearance | - | conform | limpid homogeneous | visual examination |
| Color | - | 1.0 | max. 5.0 | ASTM D1500 |
| Acid number | mg KOH/g | 0.05 | report | ASTM D974 |
| Kinematic viscosity at 54.4°C at -54°C | mm ² /s | 8.20 10624 | mini. 8.0 max. 12000 | ASTM D445 |
| Pour point | °C | < -60 | < -57 | ASTM D97 |
| Flash point , COC | °C | 216 | min. 185 | ASTM D92 |
| Evaporation loss, 22 h at 120°C | %w | 1.2 | max. 1.8 | ASTM D972 |
| Precipitation number | cm ³ /100 cm ³ | 0 | 0 | ASTM D91 |
| Stability at low temperature, 72h at -54°C | - | pass | MIL-PRF-6085 | MIL-PRF-6085 |
| Corrosion and oxidative stability 168 h at 121°C Total acid number change Viscosity at 40°C change Metal weight change cadmium copper steel aluminium magnesium | mg KOH/g mm ² /s -mg/cm ² mg/cm ² mg/cm ² mg/cm ² mg/cm ² mg/cm ² | 0.2 0.0 0.0 0.0 0.0 0.0 | max. 0.5 max. +/-5.0 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 max. +/- 0.2 | ASTM D4636 |
| Protection of panels, humidity cabinet | h | >200 | min 100 | ASTM D1748 |

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