



HELICOPTER GEAR OIL

**NATO CODE O-155 – MIL-PRF-6086F Grade M – DCSEA 255/A –
DEF STAN 91-112 Iss.2 / OEP 70**

DESCRIPTION

Nycolube 3525 is a petroleum oil with a viscosity of 9 cSt at 100°C and contains high performance extreme-pressure additives.

MAIN APPLICATIONS

- Civil and military helicopter gearboxes operated in temperate or warm climates



| Characteristic | Unit | Typical Result | MIL-PRF-6086 F Grade M Limit | Test method |
|--|--------------------|------------------|------------------------------|--------------------|
| - Appearance | - | Brown limpid oil | limpid | Visual examination |
| - Density at 15°C | kg/dm ³ | 0.886 | -- | ASTM D 4052 |
| - Color | - | 0.5 | max. 8 | ASTM D 1500 |
| - Kinematic viscosity | | | | |
| At 100°C | | 9.08 | - | |
| At 40°C | mm ² /s | 68.6 | - | ASTM D 445 |
| At 37.8°C | | 76.4 | 60 to 82 | |
| - Viscosity Index | - | 107 | min. 80 | ASTM D 2270 |
| - Pour point | °C | -33 | max. -28.9 | ASTM D 97 |
| - Flash point , COC | °C | 218 | min. 154.5 | ASTM D 92 |
| - Acid number | mg KOH/g | 0.02 | max. 1.0 | ASTM D 974 |
| - Precipitation number | ml | 0.0 | max. 0.1 | ASTM D 91 |
| - Copper corrosion, 3 h at 100°C | - | 1a | max. 2 | ASTM D 130 |
| - Load carrying capacity, Load Wear Index | daN | 50 | min. 40 | ASTM D 2783 |
| - Foaming test (tendency 5min aeration / stability 1 min settling) | | | | |
| at 24°C | | 5/0 | max. 5 / 0 | |
| at 94°C | ml/ml | 10/0 | max. 20 / 0 | ASTM D 892 |
| at 24°C after 94°C | | 5/0 | max. 5 / 0 | |

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.

