

HELICOPTER GEAR OIL

OEP-70 – O-155 – MIL-PRF-6086 E Gr. M – DCSEA 255/A
DEF STAN 91-112 Gr. OEP-70

Description

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

Application

Nycolube 3525 is primarily used as lubricant for helicopters main gearbox. It is particularly recommended for the highly loaded gearbox of heavy-lift helicopters.

It does provide a higher protection against wear than synthetic turbine oils meeting the specification MIL-PRF-23699.



Characteristic	Unit	Result	Limit*	Test method
- Appearance	-	limpid	limpid	visual examination
- Color ASTM	-	1.5	max. 8	ASTM D1500
- Density at 20°C	kg/dm ³	0.884	report	ASTM D 4052
- Kinematic viscosity at 98.9°C 37.8°C	mm ² /s	8.95 71.4	report 60 to 82	ASTM D445
- Viscosity Index	-	108	mini. 80	ASTM D2270
- Pour point	°C	-33	max. -29	ASTM D97
- Flash point , COC	°C	220	min. 155	ASTM D92
- Acid number	mg KOH/g	0.02	max. 1.0	ASTM D974
- Copper corrosion 3 h at 100°C	-	1a	max. 2	ASTM D130
- Mean Hertz Load	daN	56	mini. 40	ASTM D2783
- Foaming characteristics Foam volume (after) at 24°C 5 minutes aeration 1 minute settling at 94°C 5 minutes aeration 1 minute settling at 24°C after 94°C 5 minutes aeration 1 minute settling	ml	5 0 15 0 5 0	max. 5 0 max. 20 0 max. 5 0	ASTM D 892

* Specification MIL-PRF-6086 E Gr. M

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.