



HELICOPTER GEAR OIL

NATO CODE O-155 – MIL-PRF-6086F Grade M – DCSEA 255/A

DESCRIPTION

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

APPLICATIONS

- Gear & transmission oil
- Helicopter gearbox (heavy load)
- Helicopter propeller/tail rotor
- Helicopter systems
- Higher protection against wear
- 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/dm3	0.886	--	ASTM D 4052
- Color	-	0.5	max. 8	ASTM D 1500
- Kinematic viscosity				
At 100°C		8.9	-	
At 40°C	mm ² /s	67.4	-	ASTM D 445
At 37.8°C		75.1	60 to 82	
- Viscosity Index	-	105	min. 80	ASTM D 2270
- Pour point	°C	-31	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	67	min. 40	ASTM D 2783
- Foaming test (tendency 5min aeration / stability 1 min settling)				
at 24°C		2/0	max. 5 / 0	
at 94°C	ml/ml	9/0	max. 20 / 0	ASTM D 892
at 24°C after 94°C		2/0	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.

