



HELICOPTER GEAR OIL

NATO CODE O-153 – MIL-PRF-6086F Grade L
DEF STAN 91-112 Gr. OEP-30

DESCRIPTION

Nycolube 64 is a mineral oil with a viscosity of 5 cSt at 100°C. It contains some high performance extreme-pressure additives.

APPLICATION

- Helicopter gear and transmission boxes operating in cold climates
- Helicopter propeller/tail rotor



Characteristic	Unit	Typical Result	MIL-PRF-6086 F Grade L Limit	Test method
- Appearance	-	Brown limpid oil	limpid	Visual examination
- Density at 20°C	kg/dm ³	0.881	--	ASTM D 4052
- Color	-	0.7	max. 8	ASTM D 1500
- Kinematic viscosity				
At 100°C		5.3	-	
At 40°C	mm ² /s	30.0	-	ASTM D 445
At 37.8°C		32.9	23 to 34	
- Viscosity Index	-	112	min. 80	ASTM D 2270
- Pour point	°C	-45	max. -40	ASTM D 97
- Flash point , COC	°C	164	min. 137.8	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	45	min. 40	ASTM D 2783
- Foaming test (tendency 5min aeration / stability 1 min settling)				
at 24°C		5/0	max. 10 / 0	
at 94°C	ml/ml	10/0	max. 20 / 0	ASTM D 892
at 24°C after 94°C		5/0	max. 10 / 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.

