



HELICOPTER GEAR OIL

NATO CODE O-153

DESCRIPTION

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



APPLICATIONS

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

SPECIFICATIONS * / OEM's & Airframers reference

- Approved to MIL-PRF-6086 F Gr. L
- Approved to DEF STAN 91-112 Iss. 2 / OEP-30
- Listed in Airbus Helicopters ECS 7140

* **Approved:** The product has been approved by the relevant authority. The product is referenced on the applicable qualified product list.

CHARACTERISTIC	UNIT	TYPICAL RESULT	MIL-PRF-6086F GRADE L LIMIT	TEST METHOD
Appearance	-	Brown limpid oil	limpid	Visual examination
Density at 20°C	kg/dm3	0.881	--	ASTM D4052
Color	-	0.7	max. 8	ASTM D1500
Kinematic Viscosity at 100°C at 40°C at 37.8°C	mm ² /s	5.3 30.0 32.9	- - 23 to 34	ASTM D445
Viscosity Index	-	112	min. 80	ASTM D2270
Pour Point	°C	-45	max. -40	ASTM D97
Flash Point, COC	°C	164	min. 137.8	ASTM D92
Acid Number	mg KOH/g	0.02	max. 1.0	ASTM D974
Precipitation Number	ml	0.0	max. 0.1	ASTM D91
Copper Corrosion, 3 h at 100°C	-	1a	max. 2	ASTM D130
Load Carrying Capacity, Load Wear Index	daN	45	min. 40	ASTM D2783
Foaming Test (tendency 5min aeration / stability 1 min settling) at 24°C at 94°C at 24°C after 94°C	ml/ml	5/0 10/0 5/0	max. 10 / 0 max. 20 / 0 max. 10 / 0	ASTM D892

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.