NYCO
AERONAUTICS & DEFENCE

NYCOLUBE 30
TECHNICAL DATA SHEET

GENERAL PRESERVATIVE LUBRICATING OIL, LOW TEMPERATURE, WATER-DISPLACING
NATO CODE O-190

DESCRIPTION

Nycolube 30 is a petroleum lubricating oil with a minimum viscosity of 11 cSt at 40°C. It is inhibited against corrosion and has water-displacing properties.

APPLICATIONS

Nycolube 30 is a general purpose preservative oil for military equipment and is primarily used to protect weapons of all calibers from rust during storage.
Nycolube 30 remains fluid at very low temperature and can be used down to -50°C in applications where lubrication capability and rust-protection are required.

SPECIFICATIONS * / OEM's & Airframers reference

- Meets OX-18
- Meets MIL-PRF-32033 A Amd1 Type I (ex VV-L-800)

- Listed in Airbus CML 03BCB1
- Listed in Airbus CML 03BDB9

* Meets: The product complies with all the requirements of the specification and has not been formally approved or approval is in progress or the specification is obsolete.

CHARACTERISTIC	UNIT	TYPICAL RESULT	LIMIT MIL-PRF-32033A AMD1	TEST METHOD
Appearance	-	conform	limpid	visual
Density at 20°C	kg/dm³	0.853	-	ASTM D4052
Kinematic Viscosity at 100°C 40°C -40°C -54°C	mm²/s	2.9 11.4 2430 55000	- min. 11.0 max. 7000 max. 60000	ASTM D445
Pour Point	°C	-63	max. -57	ASTM D97
Flash Point, COC	°C	165	min. 135	ASTM D92
Acid Number	mg KOH/g	0.03	-	ASTM D974
Stability 72h at -45°C	%	pass	MIL-PRF-32033	FTM-S-791-3458
Evaporation Loss, 22 h at 100°C	%m	8	max. 25	ASTM D972
Copper Corrosion, 3 h at 100°C	-	1a	max. 2a	ASTM D130
4-ball wear scar diameter	mm	0.65	max. 1.0	ASTM D4172
Water displacement and water stability	-	pass	MIL-PRF-32033	FTM-S-791-3007
Corrosion protection, humidity cabinet	hour	250	min. 192	ASTM D1748 (+MIL-PRF-32033)
Corrosion and Oxidative Stability, 168h at 121°C Total Acid Number change Viscosity at 40°C change	mg KOH/g %	0.1 1.5	max. 0.2 -5 to +20	ASTM D4636

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.

NYCO
Solutions ahead

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