



## MINERAL AIRCRAFT GREASE FOR OSCILLATING BEARINGS

**NATO CODE G-366 – MIL-G-25537 C Amdt 1**  
**DEF STAN 91-51 Iss. 21 – XG-284**

### DESCRIPTION

Nyco Grease GN 46 is a 13 cSt at 40°C mineral oil based, calcium soap thickened grease.

### APPLICATIONS

- Helicopter propeller/tail rotor
- Bearings & splines (rotating, non-rotating, vibrating)
- Helicopter systems
- Outstanding protection against fretting wear
- Anti-moisture corrosion
- Temperature range: -54°C to +75°C



Superseded by the synthetic grease **Nyco Grease GN 148**

Characteristic	Unit	Typical Result	Limit	Test method
- Appearance	-	brown grease	homogeneous smooth paste min. 138	visual
- Dropping point	°C	145	min. 140 **	ASTM D 566 / IP 396
- Worked penetrability After 60 strokes After 100000 strokes After 100000 strokes, with 10% water, change from 60 strokes	1/10 mm	274 391 29	265 to 305 265 – 375 ** max. 70	ASTM D 217 FTM-S-791-313 DEF STAN 05-50 Part 63
- Oil separation, 30 h at 100°C	%w	2.5	max. 5.0	ASTMD 6184
- Evaporation loss, 22 h at 100°C	%w	6.5	max. 7.0 *	ASTM D 972
- Copper corrosion, 24 h at 100°C	-	1a	max 1b	ASTM D 4048
- Fretting wear protection	mg	0.9	max. 5.0	ASTM D 4170
- Torque at -54°C (starting / 1h)	Nm	0.24 / 0.04	max 0.300 / max 0.075 *	IP 186
- Torque at -54°C (starting / 1h)	Nm	1.15 / 0.07	max 1.47 / max 0.196 **	ASTM D 1478
- Elastomer NBR-L compatibility, 168h at 70°C	%v	15	max. 10	ASTM D 4289
- Oxidation stability at 100°C, after 100h / 500h	kPa	21 / 70	max. 35 / max 137	ASTM D 942
- Bearing corrosion test	-	pass	no corrosion	ASTM D 1743

\* Specification DEF-STAN 91-51 Iss.2

\*\* Specification MIL-G-35537C

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.

