

PETROLEUM AIRCRAFT GREASE FOR OSCILLATING BEARINGS

G-366 – XG-284 – MIL-G-25537 C – DEF STAN 91-51 Iss. 2

Description

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

Application

Nyco Grease GN 46 is an aircraft grease designed to provide good lubrication in bearings and splines with small or no rotation and/or submitted to vibrations (good protection against "fretting corrosion").

It is mainly used in helicopters for rotor pitch control bearings and splines. Its operating temperature range is -54°C to +75°C (maximum +90°C peak temperature).



Characteristic	Unit	Result	Limit*	Test method
- Appearance	-	conform	homogeneous smooth grease	visual
- Dropping point	°C	150	min. 138	ASTM D 566
- Penetration Unworked Worked After 60 strokes	1/10 mm	284 271	min. 200 265 to 305	IP 50
- Working stability in the presence of 10 %water Variation of penetration	1/10 mm	+30	max. 70	DEF STAN 05-50 Part 63 + DEF STAN 91-51/2
- Oil separation Mass fraction After 30 h at 100°C	%	2.6	max. 5.0	DEF STAN 05-50 N°9
- Evaporation loss Mass fraction 22 h at 100°C	%	5.8	max. 7.0	IP 183
- Copper corrosion 24 h at 100°C Appearance of the strip Copper strip rating	-	conform conform	No pitting or etching max 1b	IP 112 Rating as per IP 154
- Oxidation Stability pressure drop after 100 h	kPa	14	max. 35	IP 142
- Rust preventive properties	rating	pass	no rusting	ASTM D 1743
- Fretting wear	Mg	0.9	max. 5.0	ASTM D 4170
- Low Temperature torque at -54°C starting torque running torque after 60 min	N.m N.m	0.055 0.031	max 0.30 max 0.075	IP 186

* Specification DEF STAN 91-51 Iss.2

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.