



HEAVY DUTY AIRCRAFT GREASE

G-359 – AIR 4205/B Iss.3
MIL-G-3545 C (Obsolete)

Description

Nyco Grease GN 05 is a NLGI 2 grease based on a high viscosity mineral oil thickened by clay. It has a good resistance to water wash out and excellent load carrying capacity. Its typical operating temperature range is from -18°C to +149°C.

Application

Nyco Grease GN 05 is primarily intended for use as a heavy duty wheel bearing grease for heavily loaded landing gears, operated at medium speed. It is also suitable for aircraft components running at high temperature, such as starters magnetos or generators as well as some military automotive components such as truck electric retarder (TELMA).

Nyco Grease GN 05 shall not be used at temperature below -15°C without a warm-up period at idle/low-speed to allow the grease to soften and properly circulate into the bearing parts.

Nyco Grease GN 05 is now superseded by Nyco Grease GN 22 (MIL-PRF-81322).



Characteristic	Unit	Result	Limit*	Test method
- Appearance	-	conform	conform	visual
- Dropping point	°C	> 300	min. 177	ASTM D 566
- Penetrability Unworked	1/10 mm	262	min. 230	ASTM D 217
Worked				
After 60 strokes		284	250 to 300	AIR 1650
After 100 000 strokes		348	max. 360	
- Evaporation losses Mass fraction 22 h at 100°C	%	0.6	max. 2.0	AIR 1650
- Oil separation Mass fraction 30 h at 100°C	%	0.8	max. 5.0	AIR 1650
- Copper corrosion 24 h at 100°C Appearance of the strip Appearance of the grease	-	1a conform	AIR 4205/B AIR 4205/B	AIR 1650
- Foreign particles 25 - 74 micrometers 75 - 124 micrometers > = 125 micrometers	nb/cm ³	250 0 0	max. 1000 max. 100 0	ASTM D 1650
- Bearing performance at 149°C	h	860	-	FTM-S-791 method 331

* Specification AIR 4205/B

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.