



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Nyco Grease GN 05 is now superseded by Nyco Grease GN 22 (MIL-PRF-81322).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				ASTM D 217
Unworked		262	min. 230	
Worked	1/10 mm			
After 60 strokes		284	250 to 300	AIR 1650
After 100 000 strokes		348	max. 360	
- Evaporation losses				
Mass fraction	%	0.6	max. 2.0	AIR 1650
22 h at 100°C				
- Oil separation				
Mass fraction	%	0.8	max. 5.0	AIR 1650
30 h at 100°C				
- Copper corrosion				
24 h at 100°C				
Appearance of the strip	-	1a	AIR 4205/B	AIR 1650
Appearance of the grease		conform	AIR 4205/B	
- Foreign particles				
25 - 74 micrometers	nb/cm ³	250	max. 1000	ASTM D 1650
75 - 124 micrometers		0	max. 100	
> = 125 micrometers		0	0	
- Bearing performance	h			
at 149°C		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.