



HEAVY DUTY AIRCRAFT GREASE

NATO CODE 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.



APPLICATIONS

- Grease
- Heavy duty wheel bearing & roller grease
- Helicopter systems
- Wheels
- Starter magnetos, generators
- Military automotive components (truck electric retarder TELMA)

PS: 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.

Superseded by **Nyco Grease GN 22** (MIL-PRF-81322) or **Nyco Grease GN 3058** (SAE-AMS-3058).

Characteristic	Unit	Typical Result	AIR 4205/B Limit	Test method
- Appearance	-	conform	smooth, homogeneous, brown paste	visual
- Dropping point	°C	270	min. 177	ASTM D 566
- Penetrability : Unworked		254	min. 230	ASTM D 217
Worked	1/10 mm			
After 60 strokes		284	250 to 300	
After 100 000 strokes		350	max. 360	FTM-S-791-313
- Evaporation loss, 22h at 100°C	% w	0.4	max. 2.0	ASTM D 972
- Oil separation, 30 h at 100°C	% w	0.8	max. 5.0	ASTM D 6184
- Copper corrosion, 24 h at 100°C Appearance of the strip Appearance of the grease	-	1a conform	AIR 4205/B AIR 4205/B	ASTM D 4048
- Torque at -18°C (starting / 1h)	Nm	0.3 / 0.05	max. 10	ASTM D 1478
- Water washout at 40°C	%w	2	max. 1 / max. 0.1	ASTM D 1264
- Bearing performance at 149°C	h	860	min. 600	ASTM D 3336

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.

