



HEAVY DUTY AIRCRAFT GREASE

NATO CODE G-359 - AIR 4205/B (obsolete) - MIL-G-3545 C (obsolete)

AIRBUS CML 03FBB1 - ATR CML 04-001

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

- Heavy duty wheel bearing
- 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.

Can be technically replaced 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 D566
Penetrability : Unworked	1/10 mm	254	min. 230	ASTM D217
Worked		284	250 to 300	FTM-S-791-313
After 60 strokes		350	max. 360	
After 100 000 strokes				
Evaporation loss, 22h at 100°C	% w	0.4	max. 2.0	ASTM D972
Oil separation, 30 h at 100°C	% w	0.8	max. 5.0	ASTM D6184
Copper corrosion, 24 h at 100°C	-	1a conform	AIR 4205/B AIR 4205/B	ASTM D4048
Appearance of the strip				
Appearance of the grease				
Torque at -18°C (starting / 1h)	Nm	0.3 / 0.05	max. 1.0 / max. 0.1	ASTM D1478
Water washout at 40°C	% w	2	max. 10	ASTM D1264
Bearing performance at 149°C	h	860	min. 600	ASTM D3336

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.