



HEAVY DUTY AIRCRAFT GREASE

NATO CODE G-359 - AIR 4205/B - 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 D 566
Penetrability: Unworked	1/10 mm	254	min. 230	ASTM D 217
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 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	-	1a conform	AIR 4205/B AIR 4205/B	ASTM D 4048
Appearance of the strip				
Appearance of the grease				
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.