



SPECIAL AIRCRAFT SYNTHETIC GREASE

AIMS 09-06-001

AIRBUS CML 03GBD1

DESCRIPTION

Nyco Grease GN 144 is a soft NLGI 1.5 grease, based on a synthetic poly-alpha-olefin and ester oil blend thickened with a lithium soap. It is fortified with strong anti-corrosion, antioxidant and anti-wear additives. Its operating temperature range is from -60°C to +120°C.



APPLICATIONS

- Flap and slat mechanisms of Airbus aircrafts
- Elevator trim tab actuator and drive chains of Bombardier Q400

In process of being replaced by **Nyco Grease GN 148** for Airbus aircrafts.

CHARACTERISTIC	UNIT	TYPICAL RESULT	AIMS 09-06-001 LIMIT	TEST METHOD
Appearance	-	conform	homogeneous, smooth brown grease	visual
Viscosity of Base Oil At 40°C At 100°C	cSt	41 7.2	- -	ASTM D445
Dropping point	°C	200	min. 170	ASTM D566
Worked penetrability After 60 strokes After 100 000 strokes Change P10000-P60 strokes	1/10 mm	299 311 12	min. 200 290 to 320 max. 35	ASTM D217
Oil separation, 24h at 25°C	%w	2.7	max. 7.5	ASTM D1742
Copper corrosion, 24 h at 100°C	-	1a	max. 1 b	ASTM D4048
Bearing corrosion test, with NaCl 3%	-	pass	no corrosion	ASTM D1743
Water washout at 38°C	%w	2.0	-	ASTM D1264
Load carrying capacity (LWI)	daN	38.0	-	ASTM D2596
Steel on steel wear scar	mm	0.65	max. 1.0-	ASTM D2266
Oxidation stability at 100°C, after 100h / 500h	kPa	14 / 77	max. 35 / max 105	ASTM D942
Torque at -50°C (starting / 1h)	Nm	0.2 / 0.04	- / -	ASTM D1478
Bearing performance at 121°C	h	> 1000 h	-	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