



SPECIAL AIRCRAFT SYNTHETIC GREASE

AIMS 09-06-001

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.



MAIN APPLICATIONS

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

Airbus CML 03GBD1

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 D 445
- Dropping point	°C	200	min. 170	ASTM D 566
- 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 D 217
- Oil separation, 24h at 25°C	%w	2.7	max. 7.5	ASTM D 1742
- Copper corrosion, 24 h at 100°C	-	1a	max. 1 b	ASTM D 4048
- Bearing corrosion test, with NaCl 3%	-	pass	no corrosion	ASTM D 1743
- Water washout at 38°C	%w	2.0	-	ASTM D 1264
- Load carrying capacity (LWI)	daN	38.0	-	ASTM D 2596
- Steel on steel wear scar	mm	0.65	max. 1.0-	ASTM D 2266
- Oxidation stability at 100°C, after 100h / 500h	kPa	14 / 77	max. 35 / max 105	ASTM D 942
- Torque at -50°C (starting / 1h)	Nm	0.2 / 0.04	- / -	ASTM D 1478
- Bearing performance at 121°C	h	> 1000 h	-	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.

