



GENERAL PURPOSE AIRCRAFT SYNTHETIC GREASE

SAE AMS 3052A - AIRBUS AIMS 09-06-002 - BOEING BMS 3-33B - NATO CODE G-354 - MIL-PRF-23827 C Amdt 2 Type I
AIRBUS CML 03GBC1, 03HBC1, 03HBD9 & 03GBD1 (on-going) - ATR CML 04-004A & 04-024

DESCRIPTION

Nyco Grease GN 148 is a NLGI 2 Grade grease, based on a blend of synthetic diester oils and synthetic hydrocarbon basestock and thickened with a complex lithium soap.

Nyco Grease GN 148 exhibits outstanding anti-rust properties, even in the presence of salty water, and a very high lubrication capability under extreme loads.

Nyco Grease GN 148 can be used from -73 to +135°C in mechanisms with very small angular motion up to very high speed bearings and mechanisms.



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APPLICATIONS

- Multipurpose grease (doors, slat & flaps, landing gear, THS,..) for civil and military aircrafts and helicopters
- Can technically replace greases of previous generations meeting the requirements of MIL-PRF-23827 Type I and II, Nato code G-382, AIMS-09-06-001, MIL-G-25537, among others.

CHARACTERISTIC	UNIT	TYPICAL RESULT	SAE-AMS-3052 LIMIT	TEST METHOD
Appearance	-	conform	homogeneous blue to green grease	visual
Dropping point	°C	230	min 200	ASTM D566
Worked penetration 60 strokes 100 000 strokes with 10% water	1/10mm	290 310	265 to 315 report	ASTM D217
Oil separation after 30h at 100°C	%w	3	max 6.0	ASTM D6184
Evaporation loss after 500h at 121°C	%w	9	max 10.0	ASTM D972
Copper corrosion after 24h at 100°C	-	1a	max 1b	ASTM D4048
Oxidation stability, after 100h / 500h	kPa	10 / 55	max 50 / max 105	ASTM D942
EMCOR corrosion test (3% NaCl)	-	pass	0/0	ASTM D6138
Water washout at 79°C	%w	2	max 10	ASTM D1264
Load carrying capacity, Load Wear Index	daN	65	min 60	ASTM D2596
Torque at -73°C (starting / 1h) Without water With 10% water	Nm	0.7 / 0.07 0.9 / 0.1	max 0.75 / 1.00 max 1.00 / 0.20	ASTM D1478
Bearing performance at 135°C	H	1000	min 1000 at 121°C	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