NYCO
AERONAUTICS & DEFENCE

NYCO GREASE GN 148

TECHNICAL DATA SHEET

GENERAL PURPOSE AIRCRAFT SYNTHETIC GREASE

NATO CODE G-354

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.

SPECIFICATIONS * / OEM's & Airframers reference

- Approved SAE-AMS-3052
- Approved MIL-PRF-23827 C Type I
- Approved Airbus AIMS-09-06-002
- Approved Boeing BMS 3-33 C
- Listed in Airbus CML 03GBC1
- Listed in Airbus CML 03GBD1
- Listed in Airbus CML 03HBC1
- Listed in Airbus CML 03HBD9
- Listed in ATR CML 04-004A
- Listed in ATR CML 04-023 (A&B)
- Listed in ATR CML 04-024
- Listed in Boeing CML D00013
- Listed in Boeing CML D00015
- Listed in Boeing CML D00633
- Listed in CML PMC 79671
- Listed in Dassault Falcon CPM
- Listed in Embraer 135/145 CPC
- Listed in Embraer E-Jet 170/175/190/195 CPM
- Listed in Embraer Legacy AMM

* **Approved:** The product has been approved by the relevant authority. The product is referenced on the applicable qualified product list.

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
Steel on steel wear, 1h 40kg	mm	0.48	max 0.9	ASTM D2266
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 contractual commitment.
Sales specifications are available on requests. The present technical data sheet replaces all the previous editions.