



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 ATR CML 05-027F
- 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.