



HEAVY DUTY NAVAL GREASE, SEA WATER RESISTANT

NATO CODE G-460

DESCRIPTION

Nyco Grease GN 155 is a NLGI 2 grease based on mineral oil thickened by a high performance calcium sulphonate complex. It has an excellent resistance to water wash out and excellent load carrying capacity. Its typical operating temperature range is from -30°C to + 180°C.



APPLICATIONS

Nyco Grease GN 155 is designed as a multi-purpose grease for naval vessels : lubrication of bearings, ropes, pins and joints exposed to sea-water wash-out, dust, temperature and heavy loads – including components fully immersed in sea-water.

It exhibits a unique combination of high load-carrying capacity and water resistance due to its calcium sulphonate complex thickener

Nyco Grease GN 155 meets the requirements of the French MOD specification DCSEA 360/A (formerly French Navy specification STM 310/B), as a replacement for both STM 7420 (G-460, sea-water resistant grease) and STM 7430 (G-450, bearing grease for marine applications).

SPECIFICATIONS * / OEM's & Airframers reference

- Meets DCSEA 360/A (ex. STM 310/B)

* **Meets:** The product complies with all the requirements of the specification and has not been formally approved or approval is in progress or the specification is obsolete.

| CHARACTERISTIC | UNIT | TYPICAL RESULT | DCSEA 360/A LIMIT | TEST METHOD |
|--|--------------------|---------------------------------|---------------------|-------------|
| Appearance | - | homogeneous smooth brown grease | homogeneous grease | visual |
| Dropping Point | °C | > 300 | mini. 170 | ASTM D566 |
| Worked Penetrability after 60 strokes after 100 000 strokes | 1/10 mm | 295 305 | 265-310 max. 350 | ASTM D217 |
| Base Oil Viscosity at 40°C | mm ² /s | 220 | mini. 100 | ASTM D445 |
| Oxidation Stability, after 100h / 500h | kPa | 28 / 90 | max 70 / max 150 | ASTM D942 |
| Copper Corrosion, 24 h at 100°C | - | 1b | max. 2b | ASTM D4048 |
| Water Washout at 38°C | %w | 2.0 | max. 5.0 | ASTM D1264 |
| EMCOR Corrosion Test (synthetic sea water) | rating | 0 | max. 1 | ASTM D6138 |
| Salt Spray Test | h | pass | min. 456 | DCSEA 360/A |
| Load Carrying Capacity Load Wear Index Weld Load | daN | 60 500 | min. 50 min. 400 | ASTM D2596 |
| Steel on steel wear, 4-ball machine | mm | 0.4 | max. 0.7 | ASTM D2266 |
| Bearing Performance at 120°C | h | pass | mini. 408 | DCSEA 460/A |

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.