

## HEAVY DUTY NAVAL GREASE, SEA WATER RESISTANT

**NATO CODE G-460 – STM 310/A – DEF- STAN 91-34 Iss. 2 A – XG-286**

### 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 -25°C to + 180°C.



### APPLICATION

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 Navy specification STM 310/A, as a replacement for both STM 7420 (G-460, sea-water resistant grease) and STM 7430 (G-450, bearing grease for marine applications).

Characteristic	Unit	Typical Result	STM 310/A Limit	Test method
- Appearance	-	homogeneous smooth brown grease	homogeneous grease	visual
- Dropping point	°C	> 300	mini. 130	ASTM D 566
- Worked penetrability After 60 strokes	1/10 mm	280	265-295	ASTM D 217
- After 100 000 strokes		305	max. 350	
- Base oil viscosity At 40°C	mm <sup>2</sup> /s	180	mini. 100	ASTM D 445
- Oxidation stability, after 100h / 500h	kPa	28 / 70	max 70 / max 150	ASTM D 942
- Copper corrosion, 24 h at 100°C	-	1b	max. 2b	ASTM D 4048
- Water washout at 39°C	%w	2.0	max. 5.0	ASTM D 1264
- EMCOR corrosion test (synthetic sea water)	rating	0	max. 1	ASTM D 6138
- Load carrying capacity Load Wear Index	daN	60	min. 50	ASTM D 2596
- Weld load		500	min. 250	
- Steel on steel wear, 4-ball machine	mm	0.5	max. 0.7	ASTM D 2266
- Bearing performance at 120°C	h	pass	mini. 408	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.

