HEAVY DUTY NAVAL GREASE, SEA WATER RESISTANT

NATO CODE G-460 – STM 310/B

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/B, 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/B Limit	Test method
- **Appearance**	-	homogeneous smooth brown grease	homogeneous grease	visual
- **Dropping point**	°C	> 300	mini. 170	ASTM D 566
- **Worked penetrability** **After 60 strokes** **After 100 000 strokes**	1/10 mm	280 305	265-295 max. 350	ASTM D 217
- **Base oil viscosity at 40°C**	mm²/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** **Weld load**	daN	60 500	min. 50 min. 250	ASTM D 2596
- **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.

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