



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.

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 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 D566
Worked penetrability After 60 strokes After 100 000 strokes	1/10 mm	280 305	265-295 max. 350	ASTM D217
Base oil viscosity at 40°C	mm ² /s	180	mini. 100	ASTM D445
Oxidation stability, after 100h / 500h	kPa	28 / 70	max 70 / max 150	ASTM D942
Copper corrosion, 24 h at 100°C	-	1b	max. 2b	ASTM D4048
Water washout at 39°C	%w	2.0	max. 5.0	ASTM D1264
EMCOR corrosion test (synthetic sea water)	rating	0	max. 1	ASTM D6138
Load carrying capacity Load Wear Index Weld load	daN	60 500	min. 50 min. 250	ASTM D2596
Steel on steel wear, 4-ball machine	mm	0.5	max. 0.7	ASTM D2266
Bearing performance at 120°C	h	pass	mini. 408	ASTM D3336

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.