

# NEOX D



## DESCRIPTION

NEOX D is a high viscosity, emulsifiable sterntube lubricant.

## APPLICATIONS

NEOX D can be used in a sterntube where there is potential for fluid loss or water ingress to occur. Designed primarily where a non-circulatory oil feed system is used and a labyrinth or face type seal is fitted. NEOX D is recommended for the lubrication of trunnion bearings on some Brown Brothers retractable fin stabilisers.

## FEATURES

- NEOX D is designed for sterntube lubrication and provides a very high standard of lubrication under both the boundary and hydrodynamic lubricating conditions encountered in a sterntube.
- NEOX D will absorb any sea or fresh water which may enter the sterntube to form a viscous emulsion which remains stable and therefore reduces the risk of free water being present in the sterntube.
- It provides an excellent level of lubrication in both neat and emulsion forms. Conventional oils do not emulsify in the same way and tend to separate, exposing components to free water and potential wear damage.
- NEOX D is a grease-like lubricant at ambient temperatures and is applied using a grease applicator.
- It is not recommended that NEOX D be used with elastomer lip type seal systems.

## BENEFITS

- Absorbs any sea or fresh water entering the sterntube to form a relatively fluid emulsion which remains very stable and thereby reducing the risk of free water present in the sterntube.
- Excellent lubrication under both the boundary and hydrodynamic lubricating conditions encountered in a sterntube.
- Corrosion protection is maintained even during prolonged standing and the stable emulsion ensures that a lubricating film is present between the propeller shaft and bottom of the bearing at the critical time of start-up.
- The lubricant and emulsion have good adherence to metal surfaces, resisting wash off by water.
- NEOX D is expected to be effective in reducing the rate of oil leakage past a damaged aft seal
- Compatible with the metals commonly used in sterntubes.

## TYPICAL CHARACTERISTICS AND PROPERTIES

NEOX D	RESULT	TEST METHOD
Appearance	Brown Grease	Visual
Viscosity @ 60°C ( cSt)	100	ASTM D445
Density @ 15°C (kg/l)	0.896	ASTM D4052
Pour Point (°C)	29	ASTM D97
Flash Point (°C)	> 205	IP 523
Shelf Life	7 years in original sealed containers stored out of direct sunlight	

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