

NEOX 8000



DESCRIPTION

NEOX 8000 is a high viscosity, emulsifiable, mineral based lubricant.

APPLICATIONS

NEOX 8000 can be used in sterntube applications where there is potential for fluid loss or water ingress to occur. Designed primarily for use where a non-circulatory oil feed system is used with compression or face type sterntube seals.

FEATURES

- NEOX 8000 is designed specifically for sterntube lubrication and provides a very high standard of lubrication under both the boundary and hydrodynamic lubricating conditions encountered in a sterntube.
- NEOX 8000 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 8000 will absorb a very high amount of water and still provide an excellent level of lubrication in both neat and emulsion forms. Above 10% water, it is recommended that some of the emulsion is drained from the system and fresh lubricant added.
- It is not recommended that NEOX 8000 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 reduces the risk of free water being 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 8000 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.

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Quality Standard and the
ISO 14001 Environmental
Management Standard



FM 01851 EMS 40717

NEOX 8000



TYPICAL CHARACTERISTICS AND PROPERTIES

NEOX 8000	TEST METHOD	RESULT
Appearance	Visual	Golden Brown
Viscosity @ 60°C (cSt)	ASTM D7042	110
Viscosity Index	ASTM D2270	91
Density @ 15°C (kg/l)	ASTM D4052	0.905
Pour Point (°C)	ASTM D7346	5
Flash Point (SETA) (°C)	IP 523	> 200
Shelf Life		7 years in original sealed containers stored out of direct sunlight

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