



Technical Data Sheet

- ENVIRONMENTALLY RESPONSIBLE THRUSTER/
STERN TUBE LUBRICANT

Pure Tech Sterntube S4 (68, 100, 220)

Premium Marine Sterntube Lubricant

Pure Tech Sterntube S4 is a high-performance, mineral-based lubricant developed by Pure Tech Pakistan for reliable lubrication and protection of sterntube systems in marine vessels. Engineered to perform in the most demanding marine environments, this lubricant offers exceptional performance even in the presence of water ingress.

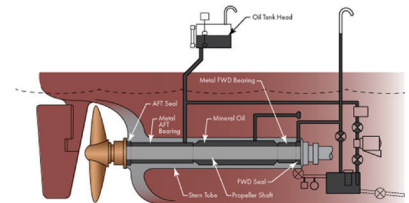
Ideal for both neat and emulsion applications, Sterntube S4 ensures smooth and long-lasting operation of propeller shaft bearings and other sterntube components.

KEY FEATURES

- **Superior Lubrication Performance:** Maintains optimal lubrication even when contaminated with seawater or freshwater.
- **Outstanding Wear Protection:** Reduces friction and wear on critical components such as propeller shafts and bearings.
- **Robust Corrosion Resistance:** Shields internal parts from rust and corrosion in harsh marine environments.
- **Metal Compatibility:** Formulated to be safe for use with commonly used metals including bronze, brass, and stainless steel.

MAIN APPLICATIONS

- **Eco-Friendly Performance with Full Seal Compatibility:** Pure Tech Sterntube S4 is compatible with major sterntube and thruster sealing systems and meets EAL regulations—ideal for vessels operating in environmentally sensitive waters.
- **Ideal for Dry-Dock Conversions & New Builds:** Designed for seamless transition from conventional lubricants, especially during dry-docking, and suitable for new vessels requiring sustainable solutions.



TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES		METHOD	68	100	220
Appearance	Clear / Golden				
Kinematic Viscosity	@40°C cSt	ASTM D445	68	100	220
Viscosity Index		ASTM D2270	>200	>200	>200
Density	@15°C kg/l	ASTM D1298	0.92	0.92	0.93
Pour Point	°C	IP 15	<-24	<-24	<-12
Flash Point	°C	ASTM D92	>170	>170	>170
Rust Test, sea water		ASTM D65B	Pass	Pass	Pass

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech Sterntube S4 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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