



Technical Data Sheet

- ENVIRONMENTALLY RESPONSIBLE THRUSTER/
STERN TUBE LUBRICANT

Pure Tech Sterntube S 21

Premium Marine Sterntube Lubricant

Pure Tech Sterntube S 21 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.

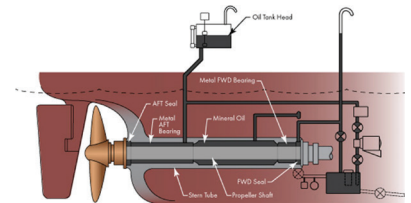
Ideal for both neat and emulsion applications, Sterntube S 21 ensures smooth and long-lasting operation of propeller shaft bearings and other sterntube components.

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 S 21 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	STERNTUBE S 21
Appearance	Clear / Golden			
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	220
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	28.4
Viscosity Index			ASTM D2270	178
Density	@15°C	g/ml	ASTM D4052	0.93
Pour Point			ASTM D97	-27
Flash Point Closed		°C	ASTM D93	>220

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech Sterntube S 21 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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