



Technical Data Sheet

- DEPOSIT/CORROSION PROTECTION
- NON-ENGINE APPLICATIONS

Pure Tech Trunk Piston S3 30

Lubricants for medium-speed marine diesel engines running on distillate fuels

Pure Tech Trunk Piston S3 30 is a high quality, multifunctional diesel engine lubricant which has been specially designed for the most severe service in main propulsion auxiliary marine trunk piston engines burning up to 1% sulphur distillate and bio-fuels.

The newly formulated Pure Tech Trunk Piston S3 30 has also been optimised for use in non-engine applications which are typically found on board such as gearboxes, clutches and stern tubes.

RELIABLE ENGINE PERFORMANCE:

- **Extended oil life:** Pure Tech Trunk Piston S3 30 offers excellent resistance to oxidation and thermal degradation so it can offer longer oil life, especially in high stress engines under severe operating conditions.
- **Engine protection:** Pure Tech Trunk Piston S3 30 can help to extend engine life by reducing deposit formation in the piston ring belt and cylinder liners reducing the risk of ring sticking and breakage.

MAIN APPLICATIONS

- Highly rated, medium speed, main propulsion & auxiliary trunk-piston stationary & marine diesel engines.
- Pure Tech Trunk Piston S3 30 will also perform satisfactorily in smaller high-speed engines typically used in fishing fleets which operate under arduous conditions and have small sump sizes.
- Turbochargers, oil filled stern tubes and variable pitch propellers.

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	METHOD	TRUNK PISTON S3 30
SAE grade (viscosity class)		30
Kinematic Viscosity @40°C mm ² /s	ASTM D445	104
Kinematic Viscosity @100°C mm ² /s	ASTM D445	11.85
Viscosity Index	ASTM D2270	103
Density @15°C kg/m ³	ASTM D4052	890
Flash Point °C	ASTM D93	210
Pour Point °C	ASTM D97	-21
Base Number mg KOH/g	ASTM D2896	12
Sulphated Ash % m/m	ASTM D874	1.5
Load Carrying Capacity (FZG Gear Machine) Failure load stage	ISO 14635-1 A/8.3/90	12

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech Trunk Piston S3 30 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.

