



## Technical Data Sheet

- DEPOSIT/CORROSION PROTECTION
- NON-ENGINE APPLICATIONS

# Pure Tech Trunk Piston S3 40

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

Pure Tech Trunk Piston S3 40 is a high quality, multifunctional diesel engine lubricant which has been specially designed for the most severe service main propulsion and auxiliary marine trunk piston engines burning distillate, hybrid and bio-fuels with a sulphur content up to 1%.

The newly formulated Pure Tech Trunk Piston S3 40 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 40 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 40 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 40 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 40
SAE grade (viscosity class)				40
Kinematic Viscosity	@40°C	mm²/s	ASTM D445	128
Kinematic Viscosity	@100°C	mm²/s	ASTM D445	13.7
Viscosity Index			ASTM D2270	103
Density	@15°C	kg/m³	ASTM D4052	890
Flash Point		°C	ASTM D93	230
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 40 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.

