

Marine Piston T340

High-Performance Trunk Piston Engine Oil (TPEO) for
Medium-Speed Marine Diesel Engines

Description

MAXFLUID Marine Piston T340 is a premium multifunctional trunk piston engine oil (TPEO) developed by MAXFLUID for medium-speed marine, power generation, and stationary diesel engines operating on residual fuel oils. Formulated as an SAE 40 lubricant with a Base Number (BN) of 40, it delivers excellent engine cleanliness, corrosion protection, wear control, and oxidation stability under demanding operating conditions.

Manufactured using highly refined mineral base oils and an advanced detergent and dispersant additive system, Marine Piston T340 provides superior protection against soot, sludge, acidic combustion products, and deposits. Its excellent water tolerance and demulsibility ensure reliable operation while supporting extended lubricant service life and reduced maintenance costs.

Performance Features & Benefits

Excellent Engine Cleanliness

Advanced detergent and dispersant technology minimizes soot, sludge, and carbon deposits on pistons, crankcases, valve decks, and other critical engine components, helping maintain maximum engine efficiency.

Outstanding Corrosion Protection

The balanced BN 40 formulation effectively neutralizes acidic combustion by-products, protecting engine components against corrosive wear and extending engine service life.

Superior Wear Protection

A robust anti-wear additive system forms a durable lubricating film that protects pistons, cylinder liners, bearings, gears, and other heavily loaded components from wear under severe operating conditions.

Excellent Water Separation

High water tolerance and excellent demulsibility allow rapid separation of water, improving lubricant performance and ensuring efficient contaminant removal through centrifugal separators.

Enhanced Oxidation Stability

High-quality base oils combined with advanced oxidation inhibitors resist thermal degradation, helping maintain lubricant performance during extended operating periods.

Applications

MAXFLUID Marine Piston T340 is recommended for:

- Medium-speed trunk piston marine diesel engines
- Marine propulsion and auxiliary engines
- Stationary diesel engines
- Diesel engines used in power generation
- Engines operating on residual fuel oils (RFO/HFO)
- Marine reduction gears where multifunctional TPEO is recommended
- General lubrication of shipboard equipment where specialized lubricants are not required

Always follow the engine manufacturer's recommendations regarding lubricant selection, oil analysis, and maintenance intervals.

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Product Advantages

- SAE 40 viscosity with BN 40 protection
- Excellent soot and sludge control
- Outstanding piston and crankcase cleanliness
- Superior protection against corrosive wear
- Excellent water separation and demulsibility
- Reliable anti-wear performance for bearings and gears
- High oxidation and thermal stability
- Suitable for marine, industrial, and power generation applications
- Supports extended lubricant service life
- Helps reduce maintenance costs and improve equipment reliability

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Marine Piston T340
SAE grade (viscosity class)	-	-	40
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D445	145
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D445	11.1
Viscosity Index	-	ASTM D2270	108
Density @ 15°C	kg/l	ASTM D1298	0.905
Flash Point	°C	ASTM D92	215
Pour Point	°C	ASTM D97	-18
TBN	mg KOH/g	ASTM D2896	40
Sulphated Ash	% m/m	ASTM D874	5.2

The values shown are typical characteristics and may vary within normal manufacturing tolerances.

Health and Safety

MAXFLUID Marine Piston T340 is a premium trunk piston engine oil intended for medium-speed marine and industrial diesel engines. Under normal operating conditions and when handled correctly, the product is not expected to present significant health or safety hazards.

Avoid prolonged or repeated skin contact and prevent contact with eyes. Wear appropriate personal protective equipment (PPE), including protective gloves and safety glasses, when handling the product. Ensure adequate ventilation in enclosed spaces and avoid inhalation of oil mists.

Store in tightly sealed containers in a cool, dry, and well-ventilated area away from direct sunlight, excessive heat, and incompatible materials. Prevent spills from entering drains, waterways, or soil.

For detailed information regarding safe handling, storage, transportation, and disposal, refer to the latest Safety Data Sheet (SDS) for MAXFLUID Marine Piston T340.