

Marine System S 30

High-Performance System Oil for Low-Speed Crosshead
Marine Diesel Engines

Description

MAXFLUID Marine System S 30 is a premium multifunctional marine system oil developed by MAXFLUID for use in the crankcase, piston cooling systems, and auxiliary equipment of low-speed crosshead marine diesel engines. Formulated with highly refined mineral base oils and a carefully balanced additive system, Marine System S 30 provides outstanding protection against corrosion, oxidation, wear, and contamination while maintaining excellent cleanliness throughout the lubrication system.

Designed for modern crosshead marine engines operating on heavy fuel oil (HFO), very low sulphur fuel oil (VLSFO), marine gas oil (MGO), and other approved marine fuels, Marine System S 30 delivers reliable performance under demanding operating conditions. Its multifunctional formulation also makes it suitable for various onboard auxiliary applications, helping reduce the number of lubricant grades carried onboard.

Note: MAXFLUID Marine System S 30 is specifically designed for low-speed crosshead marine diesel engines and is not recommended for trunk piston marine engines, which require dedicated trunk piston engine oils.

Performance Features & Benefits

Excellent Engine Protection

Provides effective neutralization of acidic contaminants entering the crankcase from cylinder oil drain leakage, helping protect internal engine components against corrosion and wear.

Superior Oxidation Stability

Resists thermal degradation and oxidation, extending lubricant service life while minimizing sludge and deposit formation.

Outstanding Detergency

Keeps crankcases, piston cooling spaces, and internal engine components clean, promoting efficient operation and reducing maintenance requirements.

Excellent Water Separation

Rapidly separates water contamination for efficient removal through onboard purification systems, helping maintain lubricant performance and equipment reliability.

Reliable Air Release & Foam Control

Provides fast air release and excellent resistance to foaming, ensuring consistent lubrication and reducing the risk of pump cavitation.

Enhanced Load Carrying Capability

Effective anti-wear and load-carrying characteristics provide reliable protection for bearings, gears, stern tube systems, and other marine auxiliary equipment.

Applications

MAXFLUID Marine System S 30 is recommended for:

- Crankcase lubrication systems of low-speed crosshead marine diesel engines
- Piston cooling systems
- Crosshead bearings and guide systems
- Turbochargers
- Geared transmissions where SAE 30 oil is specified
- Oil-lubricated stern tubes
- Deck machinery
- Marine auxiliary equipment requiring SAE 30 system oil
- Industrial circulating systems requiring high-performance R&O lubricants

Product Advantages

- Excellent oxidation and thermal stability
- Outstanding rust and corrosion protection
- Superior detergency and cleanliness
- Excellent water separation properties
- Rapid air release and foam suppression
- Reliable protection against acidic contamination
- Long lubricant service life
- Suitable for multiple onboard lubrication applications
- Helps reduce maintenance costs and improve equipment reliability

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Marine System S 30
SAE Viscosity Grade	-	-	30
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D445	104
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D445	11.6
Viscosity Index	-	ASTM D2270	102
Density @ 15°C	kg/l	ASTM D4052	0.888
Flash Point	°C	ASTM D93	277
Load Carrying Capacity (FZG)	Fail Stage	FZG A/8.3/90	11
Pour Point	°C	ASTM D97	-18
TBN	mg/KOH/g	ASTM D2896	5

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

Health and Safety

MAXFLUID Marine System S 30 is a high-quality marine system oil formulated for low-speed crosshead marine diesel engines and auxiliary marine equipment. Under normal operating conditions and when handled in accordance with recommended practices, 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 sources of ignition. Prevent spills from entering drains, waterways, or soil.

For detailed information regarding safe handling, storage, transportation, and disposal, please refer to the latest Safety Data Sheet (SDS) for MAXFLUID Marine System S 30.