

EKOMAR 12TP

Marine trunk piston diesel engine oils

Description

EKOMAR 12TP lubricant series includes high quality lubricants for high-speed and medium-speed 4-stroke marine trunk piston engines running on Marine Gas Oil with a sulfur content of up to 0.50% wt ($S < 0.50\%$ wt).

The EKOMAR 12TP lubricants series includes lubricants of 12 TBN and SAE 30 and SAE 40 viscosity grades.

EKOMAR 12TP lubricants are also suitable for diesel engines operating in energy production and other industrial applications.

Applications

- State-of-the-art and older generation marine propulsion and auxiliary engines running on Marine Gas Oil or Marine Diesel Oil.
- High-speed diesel engines operating on fleets of fishing vessels.
- Diesel engines operating in energy production and other industrial applications.
- EKOMAR 12TP lubricants are suitable for use in both the engine and the transmission systems (reduction gears, bearings, stern tube), thus allowing for the simplification of lubrication.
- EKOMAR 12TP40 lubricant is suitable for use in deck equipment requiring SAE 40 lubricant.

Specifications

API CF

Advantages

- Excellent protection from wear on cylinder rings and liners.
- Excellent oxidative and thermal stability, for a longer lifespan of the lubricant.
- Ability to maintain a high TBN value during operation.
- Excellent detergent and dispersive capability, to reduce the formation of sludge in pistons and cylinders, increase the life of the engine and reduce maintenance costs.
- Excellent ability to separate from water.
- High load carrying capacity, allowing the use of the EKOMAR 12TP series lubricants in both engine and transmissions.
- They exceed the requirements of the API CF specification.
- They meet the performance requirements of all major manufacturers (OEM) for the latest generation engines.

Typical Characteristics

Properties	ASTM methods	Units	EKOMAR 12TP30	EKOMAR 12TP40
SAE Viscosity Grade	-	-	30	40
Density, 15°C	D4052	g/ml	0.895	0.896
Kinematic Viscosity, 100°C	D445	cSt	11.4	13.7
Kinematic Viscosity, 40°C	D445	cSt	103.0	136.0
Viscosity Index (VI)	D2270	-	97	96
Base number, TBN	D2896	mg KOH/g	12	12
Pour Point	D5950	°C	-15	-15
Flash Point (COC), min	D92	°C	230	240
FZG Gear Test, A8, 3/90	DIN 51354	Fail Load Stage	12	12

Health and safety

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

30 January 2025