



M MAR 15 SAE 30 X MAR 15 SAE 40

Monograde oils for diesel engines and transmissions

USES

Detergent mineral oils for naturally-aspirated and turbo-diesel engines. Particularly suitable for high and medium speed diesel marine engines (fishing, river and coastal transportation), power stations, etc.

Also recommended for the lubrication of inverters/gear reducers when the OEM recommends this type of oil.

Specifications:

ENGINES: API CF, WARTSILÄ, POYAUD W/UD series, BAUDOIN service A; NATO 0-278, French Navy STM 7251A (X MAR 15); suitable for ABC, DEUTZ, MITSUBISHI, etc.

TRANSMISSIONS: ZF TE-ML-04A/04B

REINTJES BV 2060/1&2 (M MAR 15) BV 2060/3&4 (X MAR 15)

REINTJES BV 1597/1&2 (M MAR 15) BV 1597/3&4 (X MAR 15)

RENK BV marine; FLENDER A66 (X MAR 15)

Suitable for inverters/gear reducers from BAUDOIN, MASSON, FINNOY, etc.



MAIN PHYSICAL DATA

		Methods	Units	SAE 30	SAE 40
Density at	20°C	ASTM D4052	kg/m ³	893	898
Kinematic viscosity at	40°C	ASTM D445	mm ² /s	109	138
Kinematic viscosity at	100°C	ASTM D445	mm ² /s	12	14
Viscosity index		ASTM D2270		99	98
Pour point		ASTM D97	°C	-15	-12
Cleveland Open Cup Flash Point		ASTM D92	°C	250	260
Total Base Number (TBN)		ASTM D2896	mgKOH/g	14	14

The data given in this table represents typical production values and should not be taken as specifications.

PROPERTIES & ADVANTAGES

- ▶ Specific additives meet the requirements of marine engines and reduction gears.
- ▶ Outstanding detergent and dispersant properties at high and low temperatures for increased engine cleanliness.
- ▶ High TBN for relatively high levels of reserve alkalinity. This allows optimal engine performance to be maintained when running on high sulphur diesel.
- ▶ Very good filterability and water resistance.
- ▶ Enhanced anti-wear, anti-corrosion and anti-rust properties for optimised protection of engines and transmissions.

