

DESCRIPTION

Very high performance multigrade oil specially developed for the most modern fast-running marine diesel.

APPLICATIONS

Propulsion engines - Auxiliary units - Reduction drives/reversing gear

- Particularly suited to the most modern and demanding fast-running marine diesels, notably those with exhaust gas recycling in order to satisfy the environmental standards regarding reduction of pollutant emissions.
- Can be used for lubricating auxiliary units and transmission systems (reduction drives/reversing gear).

PROPERTIES

Ensures long engine life - Maintains engine efficiency

- Highly effective in protecting against liner polishing.
- Viscosity remains extremely stable in service.
- Outstanding dispersant and detergent properties, which limits oil thickening due to combustion products and guarantees internal engine cleanliness.
- Excellent wear and corrosion control, ensuring long engine and transmission system life.

APPROVALS

Multigrade oil satisfying ACEA E5 and API CI-4 specification, officially approved by the major manufacturers.

Engines:

- BAUDOQUIN: SMB 5 services
- CATERPILLAR ECF 1-a, ECF2
- CUMMINS 20076, 20077 and 20078
- MTU: Category 2
- MAN: 3275
- VOLVO: VDS 3

Reduction drives/reversing gear:

- ZF: TE ML 04C

CHARACTERISTICS

CHARACTERISTICS	METHODS	UNITS	CAPRANO TDI 15W40
S.A.E. Grade			15W40
Density at 15 °C	ISO 3675	kg/m ³	885
Kinematic viscosity at 40 °C	ISO 3104	mm ² /s	103.1
Kinematic viscosity at 100 °C	ISO 3104	mm ² /s	13.9
BN (ex TBN) ASTM D 2896	ASTM D 92	mgKOH/g	10.3

Characteristics of this chart are indicative typical values

HANDLING, HEALTH AND SAFETY

Lubricants consisting of highly refined mineral oils with specific additives.

In normal conditions of use, these lubricants present no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available on www.quickfds.com or www.lubmarine.com.

The values shown above are typical values at the date of publication. TOTAL Lubmarine reserves the right to change these typical values without prior notice.



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