



Mineral oil based anti-wear hydraulic oils

PRODUCT CODE: FAMARSU

MARINE FLEET 15W 40

FALZOL MARINE FLEET 15W 40 is an extra high performance, high TBN, universal engine oil designed for modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel. Suitable for use in engines equipped with EGR and/or SCR. This product is not suitable for engines equipped with DPF filters. Formulated with high refined solvent mineral stock in combination with a special additive package to reach the following properties:

BENEFITS:

- Extra protection against fluctuating (distillate) fuel quality
- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.
- Meets the following performance criteria: API CI-4 API SL/CF ACEA E7 Global DHD-1 MB 228.3 Volvo VDS-3 Mack EO-N DDC 93K215 MAN M 3275 Caterpillar ECF-1a JASO DH-1 Deutz DQC-III MTU Type 2 Cummins CES 20077/20078.

TYPICAL ANALYSIS:

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15°C	kg/m ³	ASTM D4052	881
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	102
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.9
Viscosity Index		ASTM D2270	143
Viscosity CCS @-20°, max.	cP	ASTM D5293	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30
Total Base Number	mgKOH/g	ASTM D2896	16.2
Sulphated Ash	%Wt	ASTM D874	1.5