



Optima Marine E7 15W-40

Multigrade oil for Highly rated Marine Diesel Engines

Product code: M470

Product Description:

Optima Marine E7 15W-40 is a state-of-the-art heavy-duty diesel engine oil incorporating new generation additive technology. It utilises novel dispersant chemistry which represents a significant upgrade in performance compared with more traditional engine lubricants.

Benefits:

- Greatly enhanced soot handling properties
- Excellent thermal stability
- Contributes to effective oil filtration
- Easier starts under cold conditions
- Excellent anti-wear properties.

Applications:

Optima Marine E7 15W-40 is particularly recommended for the lubrication of lift boat engines, energy power units, fire pumps and engines running under cold conditions (IMO International safety rules)

Optimarine E7 15W-40 is OEM approved and suitable for use in Cummins, MAN, Mercedes Benz, Caterpillar, Volvo, Perkins and engines where an oil of this performance is recommended.

Performance Specification:

API	CI-4/SL, CF
ACEA	E7, A3/B3, A3/B4
Mercedes Benz	228.3, 229.1
Cummins	CES 20078/71/72/76/77
MAN	M3275
MTU	Type 2
Volvo	VDS-3

Global	DHD-1
ZF	TE-ML 04C / 07C
Caterpillar	ECF-2, ECF-1-a
Allison	C4
Detroit Diesel	DDC 93K215
JASO	DH-1
Deutz	DQC III-10

Typical Test Data:

Specific Gravity @ 15.5°C	0.888
Kinematic Viscosity @ 100°C (cSt)	14.6
Kinematic Viscosity @ 40°C (cSt)	110.3
Viscosity Index	136
TBN (mg KOH/g)	10.4
Pour Point (°C)	-35
Flash Point (°C)	223