

MAK BOAT XP 15W-40

Top-tier heavy duty diesel engine oil for boats and trawlers

MAK BOAT XP 15W-40 is a top tier high performance heavy duty diesel engine oil formulated with high quality severely hydro processed Group II Plus base oil and highly advanced performance additives. It is specially formulated to help protect the turbo charged, naturally aspirated heavy duty diesel engines working in the most difficult operating conditions, especially under marine environment. MAK BOAT XP 15W-40 provides exceptional performances in terms of oxidation control, engine cleanliness and corrosion protection. MAK BOAT XP 15W-40 also offers excellent engine protection to help ensure engine durability and reliability, even under the arduous conditions encountered on fishing vessels.

Applications:

It is suitable for use in fishing vessels, boats and trawlers fitted with diesel engine models of Ashok Leyland 411 / 412 and other OEM engines.

Performance/ Benefits:

Excellent Lubrication – the engine oil ensures excellent lubrication, easy start and smooth running of the engine in all weather conditions.

Engine Durability and Reliability – excellent wear control property of oil offers superior protection to the engine even under heavy load. Enhances durability of engine and ensures reduction in maintenance and operating costs.

Outstanding Oxidation Stability – high temperature oxidation stability offers superior protection against oil oxidation/degradation even at high temperatures.

Engine Cleanliness – the advanced additive technology offers superior control over deposit formation. Ensures superior engine cleanliness.

Excellent Corrosion Protection – offers excellent protection of engine parts against rust and corrosion in sea weather conditions.

Reduced Oil Consumption – formulated with high quality base oils which possess lower volatility helps to ensure minimal oil consumption/ top-ups.

Excellent Shear Stability – ensures viscosity control at high temperatures and high shear conditions. Provides maximum protection.

Performance Level/ Specification:

Meets the performance benchmarks of

- API CH-4
- MB 228.3

Typical Physico-Chemical Data: MAK BOAT XP 15W-40

Characteristics	Method	Value
SAE Grade	SAE J300	15W-40
Color	Visual	Brown
Appearance	Visual	Clear
Density @29.5°C, g/cc	ASTM D1298	0.860
Kinematic Viscosity @40°C, cSt	ASTM D445	107.2
Kinematic Viscosity @100°C, cSt	ASTM D445	14.20
Viscosity Index	ASTM D2270	135
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Flash Point, °C	ASTM D92	236
Pour Point, °C	ASTM D97	-24
Foaming Tendency	ASTM D892	
a) Sequence I		Nil/Nil
b) Sequence II		10/Nil
c) Sequence III		Nil/Nil

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.