



## Technical Data Sheet

- TRIPLE PROTECTION

# Pure Tech Marine Gold 15W40

High Performance High-Speed Diesel Engine Oil

PureTech Pakistan Marine Gold 15W40 is a superior high performance engine lubricant designed to meet the demanding requirements of a wide range of high speed marine diesel engines operating under various conditions. Provides triple protection to your marine diesel engines, improving engine and oil durability. Suitable for marine diesel engines burning distillate fuels with a sulphur content of up to 0.5%.

### PERFORMANCE, FEATURES & BENEFITS

- **Acid and Corrosion control:** PureTech Marine Gold 15W40 displays excellent control of acids by reducing the accumulation of acids and chemical corrosion of engine bearings. Selected detergent additives neutralize the harmful acids from fuel combustion and prevent corrosion of metal surfaces.
- **Good deposit control:** Offers optimised detergent and dispersant additive technology that helps to prevent oil from thickening, engines from sludge and piston deposits formation to ensure maximum reliability of marine engines.
- **Low emission marine diesel engines:** PureTech Marine Gold 15W40 is suitable for most modern low emission marine engines meeting ACEA E7 and API CI-4 requirements. For latest low emissions marine engines fitted with exhaust diesel particulate filters (DPF), we recommend the use of low-emission products, PureTech Marine Gold 15W40. PureTech Marine Gold 15W40 is suitable for use with biodiesel per the OEM recommended oil drain intervals.

### MAIN APPLICATION

- **High speed propulsion engines:** Recommended for offshore vessels and platforms, patrol boats, marine ships, cargo ships and tugboats.

## TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES			METHOD	MARINE GOLD 15W40
SAE Viscosity Grade				15W40
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ASTM D445	105.1
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D445	14.3
Dynamic Viscosity	@-20°C	mPa*s	ASTM D5293	6 600
Viscosity Index			ASTM D2270	139
Density	@15°C	kg/m <sup>3</sup>	ASTM D4052	886
Flash Point (PMCC)			ASTM D93	205
Pour Point			ASTM D97	-39
TBN			ASTM D2896	10.8
Sulphated Ash			ASTM D874	1.44

## HEALTH, SAFETY & ENVIRONMENT

### Health and Safety

PureTech Marine Gold 15W40 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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