

## AQUALUB 4045 / SAE 40 TBN 45 MARINE OIL

**MAG Aqualub 4045** is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

### Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

### Performance Level:

Exceeds API: CF

### Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

### Application of Use:

**MAG Aqualub 4045** recommended for use in new modern marine and stationary medium & low speed Diesel Engines using high residual fuels and high sulphur content. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density at 15 °C, g/cc	ASTM D 4052	0.925
Viscosity Index	ASTM D 2270	98
Kinematic viscosity at 40 °C	ASTM D 445	147.4
Kinematic viscosity at 100 °C	ASTM D 445	14.6
Flash Point (COC)	ASTM D 92	248
Pour Point °C	ASTM D 97	-15
TBN, mg-KOH/g	ASTM D 2896	45