



# Bluenergy Aqua Marine Cly 70

A high-performance Marine Oil

## PRODUCT DATA SHEET

---

### ***Product Description***

An extra high-performance marine cylinder oil formulated with premium base oils and advanced detergent and anti-wear additives to provide reliable protection and optimum performance in low-speed 2-stroke marine diesel engines. It is designed for engines operating on residual fuels and HFO with high sulfur content, offering excellent wear control, anti-scuffing protection, and reduced liner and ring wear under severe operating conditions.

### ***Features & Benefits***

- *Excellent oxidation & thermal stability of oil reduces deposits formation on cylinder liners and ring belt areas.*
- *Outstanding anti-scuffing property provides excellent protection against ring and liner wear.*
- *Outstanding detergency ensures potentially cleaner pistons and liners, which helps in extending period between engine overhauling.*
- *Very high TBN reserves, helps in rapid neutralization of strong acidic combustion products and provides long term protection against corrosive wear of ferrous & non-ferrous metals.*

### ***Specifications***

*Aqua Marine Cly 70 meets or exceeds following International and Builder specifications:*

- *MAN B & W (Cross head diesel engine)*
- *Wartsila (Cross head diesel engine)*
- *Mitsubishi (Cross head diesel engine)*

### ***Application***

- *High TBN Cylinder oil suitable for lubricating low speed cross head diesel engines used in heavy duty Marine propulsions, burning on residual fuel oils with sulfur content in range of 1.0% up to 3.5%.*
- *Suitable for use in latest & old model Vessels – Containers, bulkers and tankers.*



### **TYPICAL CHARACTERISTICS**

|                     |             |          |       |
|---------------------|-------------|----------|-------|
| Aqua Marine XTPE 40 | Test Method | Units    | 7050  |
| Density @ 15 0C     | ASTM D 4052 | gm/cc    | 0.935 |
| Viscosity @ 100 0C  | ASTM D 445  | cSt      | 20.4  |
| Viscosity @ 40 0C   | ASTM D 445  | cSt      | 240.9 |
| Viscosity Index     | ASTM D 2270 | -        | 99    |
| Pour Point          | ASTM D 97   | °C       | -9    |
| Flash Point (COC)   | ASTM D 92   | °C       | 276   |
| Total Base Number   | ASTM D 2896 | mg KOH/g | 70    |
| Sulphated Ash       | ASTM D 874  | % wt     | 4.8   |

*These characteristics are typical of current product methods whilst future production will confirm to Bluenergy lubricants specifications, variations in these physical characteristics may occur.*

### **Protect the Environment**

*Take used oil to an authorized collection point or to be recycled. Do not discharge used or new oil into drains, soil or water.*

### **Additional Information**

*Based on available information, this product is not expected to produce adverse effect on health when used for the Applications referred to above and the recommendations provided in safety data sheet are followed. guidance on health and safety is available on the appropriate material safety data sheet(MSDS) which can be obtained from [www.Bluenergylubes.com](http://www.Bluenergylubes.com)*