# AURELIA XL 3030 & XL 4030

## DESCRIPTION

Marine oils resulting from the latest innovations in additive component technology. They are especially designed for the lubrication of medium speed diesel engines.

## APPLICATIONS

- Turbocharged main and auxiliary engines of all types and all ratings running on intermediate fuel oil or on heavy fuel oil with high sulphur content.
- Bearings and stern-tubes.
- Reduction gear lubrication.

## PROPERTIES

- API service: better than CF.
- Excellent thermal stability.
- Very good detergent properties at high temperatures.
- Very good dispersant properties at low temperatures.
- Good wear protection.
- Very good oil film strength at extreme pressures.
- Excellent water resistance.
- Excellent capacity for centrifuging and for separating out water and insolubles.
- Excellent filtration capacity.
- Very good neutralising capability of acidic products of combustion.

## CHARACTERISTICS

| CHARACTERISTICS | UNITS | AURELIA XL | |
|---|---|---|---|
| | | 3030 | 4030 |
| S.A.E. Grade | | 30 | 40 |
| Density at 15 °C | kg/m³ | 908 | 909 |
| Kinematic viscosity at 40 °C | mm²/s | 110 | 140 |
| Kinematic viscosity at 100 °C | mm²/s | 12.0 | 14.0 |
| Flash Point (COC) ASTM D 92 | °C | >230 | >230 |
| Pour Point | °C | - 9 | - 9 |
| BN (ex TBN) ASTM D 2896 | mgKOH/g | 30 | 30 |

Characteristics of this chart are indicative typical values

## APPROVALS

**AURELIA XL** is the latest evolution of the AURELIA and satisfies the requirements and recommendations of the major engine manufacturers.

## HANDLING, HEALTH AND SAFETY

Lubricants consisting of highly refined mineral oils with specific additives.

In normal conditions of use, these lubricants present no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available from your Lubmarine local representative.



TOTAL LUBRIFIANTS
Le Diamant B - 16, rue de la République – 92922 Paris la Défense Cedex
Tel.: 33.1.41.35.59.23 – Fax: 33.1.41.35.20.92
www.lubmarine.com - catherine.signol@total.com