



Trunk piston oil for medium speed natural gas engines.

APPLICATIONS

Lubrication of four-cycle natural gas engines in marine and power generation applications where the manufacturers require a low ash oil.

Developed for the most severe conditions, high speed engines with higher temperatures and reduced oil sump tank capacity.

AURELIA LNG 50 was approved by MAN ES for use in 35/44G engines when SAE 50 is requested.

FEATURES AND BENEFITS

AURELIA LNG is a new generation low ash lubricant, specifically developed to offer extended oil drain interval of natural gas engines.

AURELIA LNG combines an exclusive formulation of the latest additive technologies, developed by the Total research center.

The product utilizes and highly refined base oils to provide a substantial safety margin able to cope with higher stress levels

SPECIFICATIONS AND APPROVALS



MAN ES (MAN B&W)

TECHNICAL DATA : AURELIA LNG 50

| CHARACTERISTICS | METHODS | UNITS | TYPICAL VALUES* |
|------------------------------|-------------|--------------------|-----------------|
| S.A.E. Grade | — | — | 50 |
| Density at 15°C | ISO 3675 | kg/m ³ | 877.4 |
| Kinematic viscosity at 40°C | ISO 3104 | mm ² /s | 183.5 |
| Kinematic viscosity at 100°C | ISO 3104 | mm ² /s | 18.7 |
| Viscosity index | ISO 2909 | — | 114 |
| Flash Point (OC) | ISO 2592 | °C | 272 |
| Pour Point | ISO 3016 | °C | - 33 |
| Sulfated ash | ISO 3987 | % wt | 0.48 |
| TBN | ASTM D 2896 | — | 4.6 |

*The specifications above are for illustrative purposes and communicated for information only.

CUSTOMER BENEFITS

| | |
|---|---|
| ✓ | The use of hydrocracked base oils significantly increases oil drain intervals, thus reducing engine downtime and running costs. |
| ✓ | Very low deposits-forming ensured by an excellent cleanliness of hot engine parts. |
| ✓ | High anti-wear properties for an optimal protection of the most stressed parts. |
| ✓ | Specific additives provide important anti-wear and anticorrosion properties, along with a limited ash level, which guarantees the compatibility with exhaust gas treatment systems. |
| ✓ | AURELIA LNG performances are recognized by all major manufacturers who tested it successfully in real conditions. |

GENERAL RECOMMENDATIONS

COMPATIBILITY

Compatible with **generally available trunk piston lubricants**.

Please consult your Total Marine Lubrication Engineer should you have any questions.

SHELF LIFE

5 years from date of manufacture.

STORAGE

This product should be stored under cover in clean, dry conditions and protected from frost.

Recommended storage temperature range is 5°C to 50°C.

Drums that are stored on deck should be raised on pallets and covered to protect from the elements.

Always check regularly for leakage.

COMPLIMENTARY PRODUCTS AND SERVICES

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| ✓ | WT Supra – Innovative and environmentally friendly cooling system inhibitor concentrate. |
| ✓ | DiagomarPlus – Laboratory based used oil analysis program. |
| ✓ | Tech'Care – Suite of onboard testing kits. |
| ✓ | Technical Expertise & Support – Total Lubmarine engineers are on hand at worldwide locations to assist with lubrication concerns. |
| ✓ | Lube-On-Ship – Visualize your lube oils needs aboard Total Lubmarine's innovative virtual vessel. |

Total Lubmarine / 24-02-2021 / AURELIA LNG 50

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in can be obtained via your Total Lubmarine technical advisor or from sdstotalms.total.com

