



PRODUCT DESCRIPTION

LENOL TP is a range of extra high quality detergent trunk piston engine oils with different levels of alkalinity.

APPLICATIONS

LENOL TP is a range of extra high quality detergent lubricants recommended for highly rated medium-speed trunk piston engines running on residual fuel with a maximum Sulphur content of 4.5% weight. The total alkaline content has to be in line with the fuel Sulphur content, oil consumption rate, size of oil charge and operating load profile. Hence, the BN level ranges from 20mgKOH/g for diesel generators running mainly at part load up to 50 and 55mgKOH/g for engines with very low oil consumption. The detergency level offers exceptional cleanliness, including the piston undercrown.

LENOL TP is also suitable for plain bearings of turbochargers, for most reduction gears, shaft bearings, stern tube and seals.

ADVANTAGES

- Outstanding thermal and oxidation stability, excellent detergency and dispersancy
- Exceptional deposit control including oil-cooled piston undercrowns
- Leads to clean engine parts and spaces
- Good viscosity and insoluble control
- Optimized oil consumption; longer oil change intervals
- Extended oil life due to efficient water separating properties and BN retention
- Rust and corrosion protection
- Excellent wear protection, including piston grooves
- Formulations approved by major engine manufacturers

TECHNICAL DATA

Grade Name	Pour point °C	Flash point (COC) °C, min	Viscosity at 100°C cSt	SAE	Base number mgKOH/g
LENOL 20 TP 30	-6	230	11.5	30	20
LENOL 20 TP 40	-6	230	14.5	40	20
LENOL 30 TP 30	-6	230	11.5	30	30
LENOL 30 TP 40	-6	230	14.5	40	30
LENOL 40 TP 40	-6	230	14.5	40	40
LENOL 50 TP 40	-6	230	14.5	40	50
LENOL 55 TP 40	-6	230	14.5	40	55

HANDLING AND PACKAGING

Compatibility and miscibility with comparable products from other suppliers have been successfully tested by an independent institute, but to benefit from full product performance, the mixing of lubricants should be avoided.

Trunk piston engine oils should be continuously filtered in accordance with the equipment manufacturers' instructions. Their service life can be prolonged if the oil is maintained with a centrifugal purifier to remove water and insoluble components. Nevertheless, the oil change intervals of the equipment manufacturer are mandatory.

HEALTH AND SAFETY

The information on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. The product is not classified as dangerous according to the Regulation 1272/2008 or the Directives D67/548/EEC and 1999/45/EC. When used as intended, this product does not pose significant health risks.

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This data sheet and the information given are considered to be accurate to the best of our knowledge. The physical and chemical characteristics are typical values and compliant to specification. Variations in these characteristics may occur. No warranty expressed or implied, is given as to the accuracy or completeness of the information or suitability of the products. LENOL shall not be responsible for any damage or injury resulting from abnormal use of the product. The user will be always responsible to evaluate and use products safely and to comply with all applicable laws and regulations.