

## PRODUCT INFORMATION

### NAVIGO TPEO

#### Description

NAVIGO TPEO is a range of extra high quality detergent trunk piston engine oils containing different levels of alkalinity.

#### Application

NAVIGO TPEO 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.

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

#### Features/Advantages and Benefits

- Outstanding thermal and oxidation stability and detergency, 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
- Approved by major engine manufacturers

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## Typical Characteristics

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

## Health and Safety

The Safety Data Sheet is available on request and describes the product in terms of safety in use, handling and transport. The product is not classified as dangerous according to the Regulations 1907/2006 and 1272/2008 or the Directive 1999/45/EC. When used as intended, this product does not pose significant health risks. Repeated exposure may cause skin dryness or cracking. In case of skin contact, immediately wash the affected area with plenty of soap and water. Remove contaminated clothes.

## Handling and Packaging

The compatibility and miscibility with comparable products from other suppliers have been tested successfully by an independent institute. In order to benefit from full product performance the mixing of lubricants should be limited to a minimum.

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.

The products are available in bulk and drums of approximately 205 litres.

## Further Information

For further information about LUKOIL Marine Lubricants please contact any representative of LUKOIL Marine Lubricants or visit our website [www.lukoilmarine.com](http://www.lukoilmarine.com).

LUKOIL Marine Lubricants DMCC  
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