

## PRODUCT INFORMATION

### NAVISYN DE

#### Description

NAVISYN DE 100 is an ISO VG 100 and NAVISYN DE 150 is an ISO VG 150 diester-based synthetic compressor lubricant specifically designed for long-term lubrication of air and process gas compressors.

#### Application

NAVISYN DE is suitable for the lubrication of reciprocating compressors and vacuum pumps covering a wide temperature range from -15°C up to 230°C and for all sorts of gases, such as air, carbon dioxide (dry), natural gas, synthesis gas and others. The product can only be used in compressors for breathing air, if air filters are fitted that are capable to maintain the required mist levels below the exposure limits.

#### Features/Advantages and Benefits

- Fully synthetic lubricant superior to mineral based oils as it forms less deposits on valve plates and coolers
- Excellent oxidative and thermal stability, hence fewer oil changes and lower oil consumption
- Reduces compressor maintenance
- Separates water condensate rapidly
- Exceeds the requirements according to DIN 51506 – VDL 100

#### Typical Characteristics

Properties	Test Method	NAVISYN DE 100	NAVISYN DE 150	Unit
Viscosity @ 40 °C	ASTM D445	97	147	cSt
Viscosity @ 100°C	ASTM D445	9.3	13.3	cSt
Pour point	ASTM D97	-34	-37	°C
Flash point (PMC)	ASTM D93	234	230	°C
Density @15°C	ASTM D1298	950	950	kg/m <sup>3</sup>
Evaporation, 22 @ 99°C	ASTM D972	<1	<1	%

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## 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 Regulation 1272/2008 or the Directives 67/548/EEC and 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 diester based synthetic compressor oils from other suppliers have been tested successfully.

Diester-based synthetic compressor oils are recommended for the following seals, paints and plastics: Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil Resistant Alkyd, Nylon, Delrin, Celcon, PBT. They are not ideal in contact with Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC or ABS.

The pails should be stored unopened in their original packages in an upright position and in a dry place. Avoid water contamination.

The products are available in pails. The pack sizes can vary in different regions or countries.

## 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).

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