

Marine lubricants.

# Petrel HDL 40



Product developed for application in four-stroke diesel marine engines operating at medium and high speeds, using marine distillate fuels (ISO 8217 DMX, DMA).

### Use

- Petrel HDL 40 is formulated with first-refined paraffin bases and high-quality additives, ensuring protection against deposit formation due to high stability of the detergent-dispersant properties of the oil.

### Benefits

- High thermal stability and anti-wear capacity.
- It reduces lubricant consumption, thereby prolonging change intervals.
- Excellent protection against lubricant thickening and deposits at high temperatures.
- High reserve alkalinity value for better control of corrosive wear.
- High capacity for load-bearing.

### Specifications

- MIL-PRF-2104-G
- MTU Type 2
- MIL-PRF-9000-K
- DEUTZ DQC I-02
- API CH-4
- MAN M 270

### Physical and chemical properties

Parameter	Units	Method	Petrel HDL 40
<b>SAE Grade</b>	-	-	<b>40</b>
Density 15°C	kg/l	D-4052	0.880
Flash point COC	°C	D-92	>220
Pour point	°C	D-97	-15
Viscosity at 40 °C	cSt	D-445	130
Viscosity at 100° C	cSt	D-445	14.50
Viscosity Index	-	D-2270	102
Base Number, (min)	mg KOH/g	D-2896	11
Sulfated Ash	% p	D-874	0.920

### Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.