

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
SAE Grade	-	-	40
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.