

# NATERIA MH 40



Gas engine oil



Low ash (< 0,5 %) detergent mineral oil for gas engines.

## APPLICATIONS

### Natural gas engines

- Lubrication of engines requiring a **Low Ash** oil, in power generation plants, with or without cogeneration.

## ADVANTAGES

### Long oil life

- Contains mineral base oils selected for their **thermal stability, nitration and oxidation resistance**.

### Engines protection

- The specific additives give important antiwear and anticorrosion properties, with a limited ash level, which guarantees the **compatibility with the exhaust gas treatment systems**.

### Engine cleanliness

- This low ash content reduces the combustion chamber deposits risks and ensures an optimal cleanliness.

TYPICAL CHARACTERISTICS	METHODS	UNITS	NATERIA MH 40
SAE Grade			40
Density at 15°C	ISO 3676	kg/m <sup>3</sup>	890
Kinematic viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	142.2
Kinematic viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	14.8
Viscosity index	ISO 2909		105
Flash point OC	ISO 2592	°C	250
Pour point	ISO 3016	°C	- 12
Sulfated ash	ISO 3987	% wt	0.45
TBN	ASTM D 2896	mgKOH/g	5.5

Above characteristics are mean values given as an information.

## TOTAL LUBRIFIANTS INDUSTRIE

18-12-2014 (Supersedes 27-04-2012)

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from [www.quick-fds.com](http://www.quick-fds.com).



## SPECIFICATIONS

### Engines manufacturers

**NATERIA MH 40** performances are recognised by all major manufacturers who tested it successfully in real conditions.

The following homologations have been granted:

- **CATERPILLAR ENERGY SOLUTIONS** – 2105/14 – sulphated ash content up to 0.5 %wt, CG132, CG170, CG260 engines
- **DEUTZ** – Technical Bulletin 0199-99-01213/1
- **GE-JENBACHER** –
  - Engine types **2 et 3** : Gas type A and catalyst
  - Engine types **4 B** : Gas type A, B, C and catalyst
  - Engine types **6 C & E** : Gas type A, B, C and catalyst
- **MAN** – M3271-2 – Stationary Engines – Natural Gas
- **MTU 400BR series** – Natural Gas
- **MTU 4000 series** – Natural Gas – L32/33 / L61/62/63
- **MWM** – 2105/14 – 2105/14 – sulphated ash content up to 0.5 %wt, 616, 620, 632 engines
- **WÄRTSILÄ** – moteurs W25SG, W28SG, W180SG, W220SG

**NATERIA MH 40** also meets the technical requirements from **CATERPILLAR** and **WAUKESHA** among others.

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