

# NATERIA MJ 40



Gas engine oil

Medium ash (< 1 %) detergent mineral oil for gas engines.

## APPLICATIONS

Natural and bio-gas engines  
Dual Fuel engines  
Some landfill gas engines

- Lubrication of engines needing a **medium ash oil**, with an ash content comprised between 0.5% and 1%, in power generation plants, with or without cogeneration.
- **Dual fuel** engines, **biogas engines**.
- Low halogen content landfill gas engines. For engines fed with medium and high halogens contaminated landfill gases, use NATERIA ML 406.

## ADVANTAGES

Extended drain intervals

Engine protection

- **NATERIA MJ 40** contains mineral base oils selected for their thermal stability, nitration and oxidation resistance.
- The specific additives give either important antiwear, anticorrosion properties and improved detergency. This detergency level ensures **the neutralization of acid components** coming from fuel (« Dual-Fuel » engines) or from the H<sub>2</sub>S contained in the biogas.

TYPICAL CHARACTERISTICS	METHODS	UNITS	NATERIA MJ 40
SAE Grade	-	-	40
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	891
Kinematic viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	148
Kinematic viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	15.1
Viscosity index	ISO 2909	-	104
Flash point OC	ISO 2592	°C	250
Pour point	ISO 3016	°C	- 12
Sulfated ash	ISO 3987	%	0.82
TBN	ASTM D 2896	mgKOH/g	8.8

Above characteristics are mean values given as an information.

## SPECIFICATIONS

Engine manufacturer

**NATERIA MJ 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 between 0,5 and 1,0 %wt, CG132, CG170, CG260 engines
- **GE-JENBACHER** –  
Type 2 and 3 engines : Gas type B
- **MAN** – M3271-4 – Stationary engines – Special Gas
- **MTU 400BR series** – Biogas – All engines
- **MTU 4000 series** – Biogas – L32FB / 62FB
- **MWM** – 2105/14 – sulphated ash content between 0,5 and 1,0 %wt, moteurs 616, 620, 632 engines.