## **NATERIA X 405**





NATERIA X 405 is a full synthetic low ash oil for spark ignited gas engines working in very severe conditions or requiring extra long drain intervals.

## **APPLICATIONS**

Spark ignited gas engines in extremely severe conditions

- Lubrication of engines requiring a Low Ash oil, in power generation plants, with or without cogeneration.
- NATERIA X 405 is particulary convenient for the engines working is extremely severe conditions, where conventional mineral oils are not suitable.

## **SPECIFICATIONS**

**Manufacturers** 

- NATERIA X 405 is approved:
  - WARTSILA (220 SG, 25 SG, 28 SG, 34 SG, 32 DF, 50 DF)
  - WAUKESHA (APG 220 GL).

## **ADVANTAGES**

Less engine stop Low maintenance costs Better CHP plant efficiency

- Compared to the low ash mineral based lubricants, NATERIA X 405 significantly increases the drain intervals. Thus, it reduces the number of engine downtimes and the running cost.
- The use of **NATERIA X 405** in real situation decreases dramaticaly the oil consumption. Consequently there is a very low deposit amount on the heat exchangers tubes. This favorises the cogeneration installation efficiency.

TYPICAL CHARACTERISTICS	METHODS	UNITS	NATERIA X 405
Density at 15 °C	ISO 3676	kg/m <sup>3</sup>	847
Kinematic viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	94
Kinematic viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	14
Viscosity index	ISO 2909		145
Flash point OC	ISO 2592	°C	215
Pour point	ISO 3016	°C	- 35
Sulfated ash	ISO 3987	%	0.45
BN	ASTM D 2896	mgKOH/g	5.2

Above characteristics are mean values given as an information.

