

# MWM Premium **GMO 240** High-quality mineral oil-based engine oil

With increased engine power and higher levels of efficiency, the selection of an optimum engine oil as well as the support of qualified engine oil management is becoming ever more important for the durability of a gas engine.

MWM Premium GMO 240 constitutes an excellent compromise of performance and costs. Due to its stable TBN, despite limited sulfate ash content, it is suitable not only for natural gas operation, but also **explicitly for use in biogas applications** – including exhaust aftertreatment.

## MWM Premium GMO 240

- Low-ash gas engine oil
- High-quality base oil and specially tailored additives for extended change intervals
- SAE class 40
- Sulfate ash content 0.55 wt. %
- Reliable wear protection
- High piston cleanliness
- High stability of the base number even with a fluctuating gas quality

In intensive field tests, engine oils are assessed and approved for use based on lube oil analytics and inspection of dismantled components. Based on the long-standing experience of our development engineers in this field as well as extensive assessment of field experiences of the MWM service organization, engine oils that optimally protect your engine and increase the engine's efficiency have been selected together with strategic partners.

Typical material properties of Premium GMO 240	
SAE class	40
Sulfate ash content	0.55 wt. %
TBN	5.2 mgKOH/g
Kin. viscosity at 40 °C	122 mm <sup>2</sup> /s
Kin. viscosity at 100 °C	13.3 mm <sup>2</sup> /s
Viscosity index	104
Density	885 kg/m <sup>3</sup>
Pour point	-18 °C
Flash point	227 °C

## The optimum lubricant selection for every gas quality

The focus when selecting the MWM Premium GMO 240 was on an economic use of lubricating oil even with lower gas qualities. The reason for this was a low engine oil consumption and long oil change intervals.

Due to its excellent wear protection and good solubility of contaminants, a high cleanliness of the first piston ring groove is achieved with MWM Premium GMO 240. A low oil consumption can be achieved as a result. In combination with a high base stability, the availability and economic efficiency of the plant can thus be increased using MWM Premium GMO 240 independent of the gas quality.



Special gas application after > 10,000 oh with GMO 240



Analyze now  
and benefit!

## Oil analytics and assessment of attractive conditions.

### Benefit from the manufacturer's expertise with the MWM oil management.

In addition to the analysis of the lube oil, we offer you a detailed assessment by our engine experts. The recommendation resulting from the analysis and assessment helps you to optimally increase the service life of your oil, thereby saving costs.

### Highest level of availability and efficiency guaranteed.

Due to the continuous monitoring of the oil parameters over the entire service life of your plant and the comparison with previous values, we recognize trends in due course and can quickly intervene where necessary.



Do you have any questions on the topic of oil?  
Contact your MWM Service Center!  
Alternatively, call us on **0621 384-0** or  
send an email to **service@mwm.net**.

