

# MWM Premium **GMO 440**

## The economic solution across a wide range

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 440 is **exceptionally well-suited to all applications**. The greatest advantages over a conventional mineral oil are particularly evident at high oil temperatures and at a specifically low oil volume (liters/kW). There are usually multiple oil change intervals here. Extend the interchange intervals in combination with MWM oil analysis and achieve optimum plant management.

### MWM Premium GMO 440

- Very low-ash gas engine oil
- Synthetic base oil for maximum change intervals
- SAE class 40
- Sulfate ash content 0.42 wt. %
- Reliable wear protection
- Very high piston cleanliness
- Small deposits on components conducting exhaust gas, such as exhaust heat exchangers
- Reduction of oil consumption

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 440

SAE class	40
Sulfate ash content	0.42 wt. %
TBN	5.4 mgKOH/g
Kin. viscosity at 40 °C	127 mm <sup>2</sup> /s
Kin. viscosity at 100 °C	13.5 mm <sup>2</sup> /s
Viscosity index	100
Density	950 kg/m <sup>3</sup>
Pour point	-25 °C
Flash point	245 °C

## The optimum lubricant selection for every gas quality

In addition to maximum wear protection and long oil change intervals, the focus when selecting the MWM Premium GMO 440 was primarily on good cleanliness of the first piston ring groove.

The formation of deposits in this area has adverse effects on the function of the ring package, resulting in a rise in oil consumption. MWM Premium GMO 440 is characterized by excellent piston cleanliness. Using Premium engine oils increases the availability and economic efficiency of the plant.



Natural gas application after > 10,000 oh with GMO 440



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**.

