



## GAS ENGINE OILS

# ADDINOL GAS ENGINE OIL MG 40-EXTRA LA

### PRODUCT DESCRIPTION

ADDINOL Gas Engine Oil MG 40-Extra LA is a high-performance engine oil developed on the basis of high-quality mineral oil raffinates and new additive technologies ideal for the specific requirements of gas engines.

The application of natural and special gases causes thermally highly loaded operating conditions. The chemistry of ADDINOL Gas Engine Oil MG 40-Extra LA offers an outstanding and complete protection for the gas engine.

### APPLICATION

- Excellent suitability for the application in modern turbo-powered gas engines operated with natural and special gas in all performance ranges
- Outstanding applicability for natural gas-powered stationary plants and combined heat and power plants operated with low-pollutant special gases (biogas, landfill gas or mine gas)

### DELIVERY

Delivery preferable in drums.

### CHARACTERISTICS

- Excellent ageing stability
- Outstanding wear protection
- Thermal stability
- Highest engine cleanliness
- Low ash performance
- Good neutralisation ability



### SPECIFICATIONS / APPROVALS

Approved by:

- MWM (Deutz Power Systems)  
TR 0199-99-2105: SuA up to 0.6 wt-%
- MAN M 3271-2 for operations with natural gas
- INNIO Jenbacher – TA 1000-1109 incl. Cat Series 2 & 3: fuel class A, B, S  
Series 4 (version A & B): fuel class A, B, S  
Series 6 (version C & D): fuel class A, B, S
- MTU Onsite Energy (MDE)  
Series 400 for operation with natural gas (MDE series 28xx/ 30xx)
- MTU Onsite Energy (MDE)  
Series 4000 for operation with biogas
- Caterpillar CG 132, CG 170, CG 260  
TR 0199-99-12105/11: SuA up to 0.6 wt-%
- Deutz AG (TR0199-99-01213)

Meets the technical requirements in operations with natural gas according to:

- Tedom
- Waukesha
- Other manufacturers of gas engines
- Manufacturers of pilot injection gas engines

### ADVANTAGES AND BENEFITS

- Reliable lubrication under all operating conditions
- Long lifetime of the engine
- Stable oil film, also at higher temperatures
- Maximum engine performance
- Longer lifetime of catalytic converter systems
- Good protection against corrosive wear



Effective oil operating times for every combined heat and power plant operator by the help of ADDINOL matrix



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## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		MG 40-Extra LA	Method acc. to
Appearance			clear, without contaminations	visual
SAE grade	J 300		40	ASTM
Density	at 15°C	kg/m <sup>3</sup>	873	DIN 51757
Viscosity	at 100°C	mm <sup>2</sup> /s	14.2	ASTM D 7042
Viscosity index			113	DIN ISO 2909
Flash point	COC	°C	min. 270	DIN EN ISO 2592
Pour point		°C	max. -38	ASTM D 7346
TBN		mg KOH / g	7.1	DIN ISO 3771
Sulphated ash		Ma-%	0.50	DIN 51575

### ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.