GAS ENGINE OILS

ADDINOL ECO GAS 4000 XD

PRODUCT DESCRIPTION

ADDINOL Eco Gas 4000 XD is a high-performance engine oil of the latest generation. It is developed on the basis of innovative additive technologies, which are tailored to practical application, and powerful high-quality base oils.

The operation with natural gas means particularly extreme thermal loads to all components in current engine generations of the OEMs. The novel formulation of **ADDINOL Eco Gas 4000 XD** provides an outstanding all-round protection especially under these conditions. The low depositing tendency allows an outstanding engine cleanliness, also at high temperatures, as well as a significant oil change interval extension by its long-life characteristics.

SPECIFICATIONS / APPROVALS

Approvals and recommendations for use, see page 3

DELIVERY

Delivery preferable in Bulk, IBC, drums and 20L cans.

APPLICATION

- Excellent suitability for the application in modern turbo-charged gas engines operated with natural gas in all performance ranges
- For applications in modern plants with highest efficiency
- Reliable application under thermally heavy loaded operating conditions (e.g., steel piston technology)
- Preferred use in engines which demand low ash engine oils

CHARACTERISTICS	ADVANTAGES AND BENEFITS
• Excellent ageing stability	• **Reliable lubrication under all operating conditions**
• Outstanding thermal stability	• **Stable oil film, also at extreme temperature loads**
	• **Oil change intervals above average**
• Reliable protection of all components against wear	• **Optimum engine lifetime**
	• **Reduced maintenance effort**
• Highest engine cleanliness	• **Maximum engine performance**
• Low ash performance	• **Best protection of catalytic converter systems for long lifetimes**
	• **No disposal formation**
• Good neutralisation ability	• **Reliable protection against corrosive wear**

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

ADDINOL Lube Oil GmbH - High-Performance Lubricants
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ADDINOL ECO GAS 4000 XD

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Eco Gas 4000 XD	Method acc. to
Appearance			clear, without contaminations	visual
SAE grade	J 300		40	ASTM
Density	at 15 °C	kg/m³	876.4	DIN 51757
Viscosity	at 40 °C	mm²/s	117.5	ASTM D 7042
	at 100 °C	mm²/s	13.26	
Viscosity index			108	DIN ISO 2909
Flash point	COC	°C	275	DIN EN ISO 2592
Pour point		°C	-35	ASTM D 7346
TBN		mg KOH / g	7.3	DIN ISO 3771
Sulphated ash		wt%	0.62	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 worldwide activities. ADDINOL high-performance lubricants are distributed by more than 120 international partners.

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Approved for the operation with natural gas and cleaned biogas by:

INNIO Jenbacher	TA 1000-1109 incl. Cat series 2, 3, 6 (all Versions): series 4 (Version C, E): fuel class A, S
MAN M 3271-5	Operation with natural and special gas incl. Cat
MAN M 3271-5 (incl. steel pistons)	
MWM	TR 0199-99-2105: SuA up to 0.6 wt%
Caterpillar Energy Solutions	TR 0199-99-12105: SuA bis 0.6 wt% (CG 132, CG 170, CG 260)
2G Energy AG	TA-003 agenitor series 4, avus 500plus, aura series
Rolls-Royce Solutions (MTU OE)	TXPE 01/2025 (BR 400 – SCR Kat) TXPE500 01/2023 (BR 500)
R Schmitt Enertec	RE-800-001-160202
Burkhardt Energie- und Gebäudetechnik	Motorengruppe 2 – **Holzgas** 12-Zylinder (ECO 330/340 HG, ECO 495)

Approved for the operation with natural gas by:

MAN M 3271-2	Operation with natural gas
Rolls-Royce Solutions (MTU OE)	TXPE 15/2024 (BR 400)
2G Energy AG	TA-003 patruus series
MAN Energy Solutions	4 stroke medium speed
TEDOM	61-0-0281.1 (G, P)
Perkins	BR 4000
Deutz AG	TR0199-99-01213
Mamotec	TR 20-03: SuA 0.5-1.0 wt%

Meets the technical demands for the operation with natural gas acc. to:

2G Energy AG	Operation with natural gas, biogas, sewage gas, syngas agenitor series 2+3; g-box series
Liebherr	Operation with natural gas
Waukesha	Operation with natural gas

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