TECHNICAL DATA SHEET

V.01/2025 Ref. 00000000

NATERIA MX 40

Low Ash High TBN semi-synthetic gas engine oil for use in modern steel piston engines.

APPLICATIONS

NATERIA MX 40 is a new generation low ash gas engine oil, specially designed to :

- Enhance detergency at high temperatures
- Extend oil drain interval
- Optimize valve recession and wear control

NATERIA MX 40 is engineered to meet the harshest conditions in latest generation steel piston engines operating with higher temperatures, reduced oil specific consumption and higher Brake Mean Effective Pressure over 22 bars (BMEP).

NATERIA MX 40 is the product of choice for multi-OEM engine fleets and cogeneration applications

SPECIFICATIONS & APPROVALS

MWM TCG 2016, 2020, 2032, 3016, 3020
CAT CG 132, 170, 260, 132B, 170B
Caterpillar 3300-3500 Series
Wärtsilä All SG and DF engine using natural gas
Jenbacher Type 2&3
Jenbacher Type 4A, B, C, E - *Gas Type A*
Jenbacher Type 6C, E, F, J, H, K - *Gas Type A*
Bergen Engines B35:40, B36:45, C26:33, K-type
Waukesha VGF, VHP, 275GL/GL+, APG (non co-gen application)

ADVANTAGES

LONGER OIL LIFE

Unique technology combining exceptional alkalinity reserve (TBN) and low ash properties. Depending on operating conditions, **NATERIA MX 40** has proven to deliver up to 50% longer drain intervals against premium Gp. II gas engine oils

SUPERIOR ENGINE CLEANLINESS

The piston rings and grooves show no coke build-up nor discoloration while the cylinder head covers were clean and free of any oil sludge

ADVANCED VARNISH CONTROL

Thanks to a proprietary semi-synthetic technology **NATERIA MX 40** provides extraordinary detergency and varnish protection under extremely high temperatures PATENTED

CUSTOMER BENEFITS

- Up to 50% longer oil drain intervals*
- Higher durability of engine components
- Reduced downtime
- Maintenance streamlining
- Optimized valve recession and wear control
- Reduced TCO**

**Subject to operating condition*
***Total cost of ownership*

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TYPICAL CHARACTERISTICS

PROPERTIES	VALUES	UNITS	STANDARDS
SAE Grade	40	-	-
Density at 15°C	883.3	kg/m3	ISO 3675
Kinematic viscosity at 40°C	122.5	mm²/s	ISO 3104
Kinematic viscosity at 100°C	13.9	mm²/s	ISO 3104
Viscosity index	111	-	ISO 2909
Flash point COC	266	°C	ISO 2592
Pour point	-39	°C	ISO 3016
Sulfated ash	0.51	% wt	ISO 3987
TBN	7.2	mg KOH/g	ASTM D 2896
TAN	1.4	mg KOH/g	ASTM D 664
Distillation loss at 250°C – Noack Test	4.6	%	CEC L-40-A-93
FZG gear rig	11	Failure Load Stage	DIN 51354-2
PDSC oxidation	>195	Min	CEC-L-85-99
Foaming test - Seq I - Seq II - Seq III	 0/0 10/0 0/0	mL/mL	ISO 624
Foaming test at 150ºC	160-20	mL	ASTM D 6082

RECOMMENDATIONS

OIL MONITORING

Take out the best of your engines by implementing ANAC GAS oil monitoring program.

SHELF LIFE

Shelf life is 3 years for unopened drums.

STORAGE

Store the product away from humidity at temperatures not exceeding 35°C.

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