

# DYNAMIC NGV-MA

SAE 15W-40 / 20W-50

## Product Description

DYNAMIC NGV-MA is high performance medium ash gas engine oil formulated for dedicated gas engine of trucks and commercial vehicles. It provides excellent thermal and oxidation stability, nitration resistance, and also provides superior detergent to deliver outstanding engine cleanliness and prevent sludge formation for longer oil drain interval.

## Benefits

- Provides excellent thermal and oxidation stability, nitration resistance to retard oil degradation in mobile heavy duty dedicated engines fueled with CNG.
- Offers superior detergent to provide outstanding engine cleanliness and corrosion prevention.
- Provides high TBN retention for longer drain interval.
- Field test proved in Japanese mobile dedicated CNG fueled engines.

## Applications

- Designed for dedicated gas and diesel engines of commercial vehicles such as trucks, trailers and buses running with natural gas (CNG) required medium sulfated ash.
- Recommended for Japanese heavy-duty diesel engines required JASO DH-2.
- Suitable for natural gas generator and heavy duty diesel engines.

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## Typical Characteristics

Tests	Methods	Units	Results	
			15W-40	20W-50
Density at 15 °C	ASTM D 4052	g/cm <sup>3</sup>	0.877	0.884
Kinematic Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	116.7	172.8
Kinematic Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	15.4	18.8
Viscosity Index	ASTM D 2270		134	123
MRV with no yield stress	ASTM D 4684	mPa.s	17,800 @ -25 °C	15,000 @ -20 °C
Cold-cranking Simulator	ASTM D 5293	mPa.s	6,396 @ -20 °C	7,988 @ -15 °C
Total Base Number	ASTM D 2896	mg KOH/g	8.9	8.9
Flash Point (COC)	ASTM D 92	°C	240	248
Pour Point	ASTM D 5950	°C	-36	-33
Sulphated Ash	ASTM D 874	% wt	1.0	1.0

## Performance Standards

- JASO DH-2-08
- API CF-4

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

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The product can cause some skin irritation and has flash point higher than 93.4°C

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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