



Product One Voice
Q&A

Product: AMSOIL Synthetic Vehicular Natural Gas Engine Oil (ANGV)

Product Area: Motor Oils

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1. Question:

What is AMSOIL Vehicular Natural Gas Engine Oil (ANGV)?

Answer:

AMSOIL Vehicular Natural Gas Engine Oil is formulated specifically to meet the special requirements of natural gas fueled engines used in vehicles and mobile equipment. This formula is recommended in applications fueled by compressed natural gas (CNG), liquefied natural gas (LNG), or liquefied petroleum gas (LPG).

2. Question:

What are the benefits of this using AMSOIL Vehicular Natural Gas Engine Oil (ANGV)?

Answer:

AMSOIL Vehicular Natural Gas Engine Oil is formulated with low ash to minimize carbon deposits, ring sticking or plug fouling; reduce maintenance and extend equipment life. Advanced anti-wear and anti-scuff protection helps control valve recession and wear on piston rings, cylinder liners and bearings. This vehicular natural gas engine oil is engineered with premium base oils and additives to improve engine lubrication by keeping oil passages clean. The balanced formulation allows for a high total base number (TBN) to protect against corrosion, while meeting low ash requirements. The formula resists nitration and oxidation to deliver maximum protection in natural gas engines.

3. Question:

What specifications does AMSOIL Vehicular Natural Gas Engine Oil carry?

Answer:

AMSOIL Vehicular Natural Gas Engine Oil is recommended for use in vehicular applications including those requiring either API CF or Cummins CES 20074 specifications. Many vehicle original equipment manufacturers (OEMs), including Kenworth, Mack, Peterbilt, Freightliner, Sterling, AutoCar WX, Orion and others are offering natural gas models equipped with a Cummins Westport natural gas engine, which specifies a 15W-40 oil meeting Cummins CES 20074. AMSOIL Vehicular Natural Gas Engine Oil is recommended for use in vehicular applications requiring a low sulfated ash engine oil including, but not limited to, over the road trucks, refuse haulers, and buses.

4. Question:

Can AMSOIL Synthetic Vehicular Natural Gas Engine Oil be used over extended drain intervals?

Answer:

AMSOIL Synthetic Vehicular Natural Gas Engine Oil (ANGV) is formulated for extended oil drain intervals when monitored by a qualified oil analysis program. If extending oil drain intervals, change the oil filter at the recommended engine manufacturer drain interval.

5. Question:

What package sizes are available for AMSOIL Vehicular Natural Gas Engine Oil (ANGV)?

Answer:

Package Size	Product Code
5-gallon	ANGV05
55-gallon	ANGV55
275-gallon	ANGV27

6. Question:

There are two natural gas engine oil offerings ANGV and ANGS. Are they different and how do you determine which product to recommend?

Answer:

Yes, these two products are formulated differently and are engineered for different applications. AMSOIL natural gas engine oils are formulated to meet the needs of the intended application. Stationary natural gas engines generally use roller-tappet cams and do not need the increased levels of zinc and phosphorus to protect the valvetrain. AMSOIL SAE (20W) 40 Synthetic Stationary Natural Gas Engine Oil (ANGS) is recommended for stationary natural gas engines that do not require high levels of anti-wear additives. On the other hand, vehicular and mobile natural gas engines use flat-tappet cams which require additional anti-wear additives to protect the valvetrain. AMSOIL SAE 15W-40 Synthetic Vehicular Natural Gas Engine Oil (ANGV) is formulated with higher levels of zinc and phosphorus to protect the flat-tappet/camshaft lobe interface. This highly loaded area requires the use of properly formulated natural gas engine oil to reduce wear and extend flat-tappet and camshaft life.

ANGS – Stationary natural gas engines
ANGV – Vehicular and mobile natural gas engines

7. Question:

Can AMSOIL Vehicular Natural Gas Engine Oil be used in stationary natural gas engines?

Answer:

Yes, the higher zinc and phosphorus levels will provide superior wear protection and oxidation resistance in stationary natural gas engines; however, if the OEM service manual designates the use of a low phosphorus oil to protect exhaust catalysts, AMSOIL recommends using Synthetic Stationary Natural Gas Engine Oil (ANGS).

8. Question:

What are the general categories outlining different ash levels for natural gas engines?

Answer:

There are three classified levels of ash content for natural gas engines, including ashless, low ash and medium ash.

Ash Content (% wt)	Classification	Industry Uses
<0.1	Ashless	Two-stroke engines
0.4-0.6	Low Ash (universal)	Four-stroke engines*
0.7-1.0	Medium Ash	Severe fuels (landfill, sour or sewage gas)

*The universal class for four-stroke natural gas engines is low-ash lubricants, however some two-cycle manufacturers allow for their use. AMSOIL Synthetic Vehicular Natural Gas Engine Oil is a low-ash formula.