



*The First in Synthetics®*

## Synthetic Vehicular Natural Gas Engine Oil SAE 15W-40

Formulated to Provide Maximum Efficiency in Vehicular Applications Fueled by Natural Gas

AMSOIL Synthetic Vehicular Natural Gas Engine Oil delivers superior protection and performance in natural gas engines calling for an API CF 15W-40 low-ash lubricant. It is formulated specifically to meet the special requirements of natural gas fueled engines used in vehicles and mobile equipment.

### Wear Protection

The synthetic base oil and advanced anti-wear additive system of Synthetic Vehicular Natural Gas Engine Oil provide enhanced valve train protection, whether roller or slider followers are used. It is formulated with high levels of zinc and phosphorus to provide outstanding wear protection in mobile engines requiring Cummins CES 20074.

### Minimizes Deposits and Valve Recession

Synthetic Vehicular Natural Gas Engine Oil's low-ash formulation minimizes valve stem and combustion chamber deposit formation. It is designed to reduce valve recession, a common problem with low-ash oils, while its thermal stability allows it to effectively combat oxidation and oil degradation. Its balanced formula allows for a high total base number (TBN) to neutralize acids and protect against corrosion while meeting low ash requirements.

### Maintains Viscosity

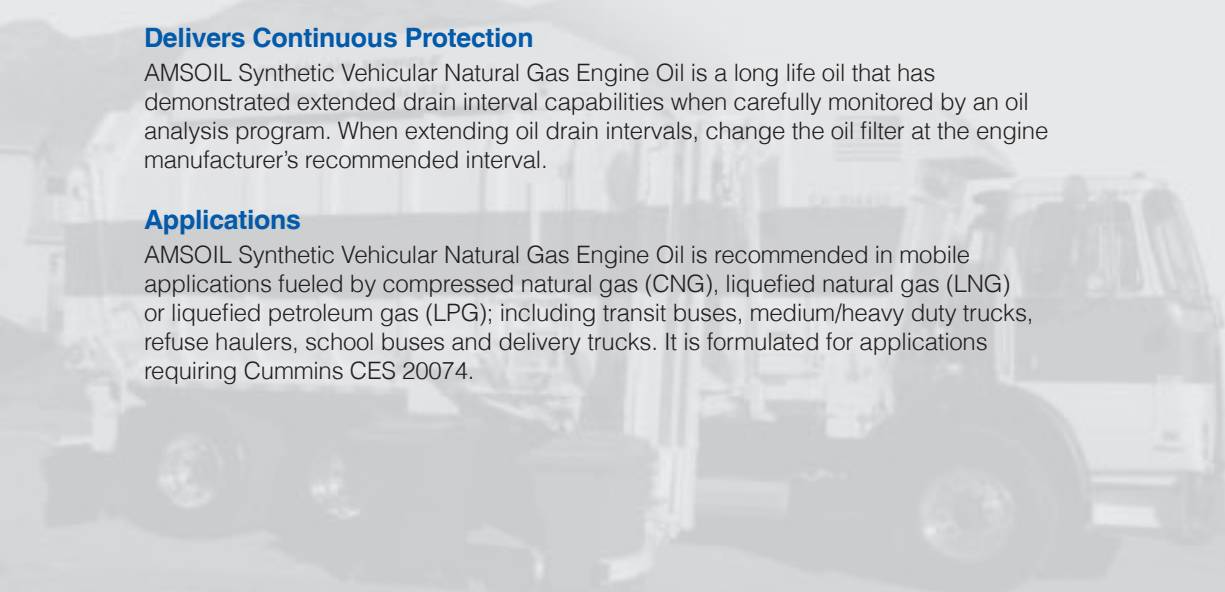
The shear stable formula of Synthetic Vehicular Natural Gas Engine Oil offers maximum protection against viscosity loss while providing optimal service over a broad temperature range. It has inherently low volatility to reduce oil consumption and emissions, helping maintain serviceability of emissions equipment.

### Delivers Continuous Protection

AMSOIL Synthetic Vehicular Natural Gas Engine Oil is a long life oil that has demonstrated extended drain interval capabilities when carefully monitored by an oil analysis program. When extending oil drain intervals, change the oil filter at the engine manufacturer's recommended interval.

### Applications

AMSOIL Synthetic Vehicular Natural Gas Engine Oil is recommended in mobile applications fueled by compressed natural gas (CNG), liquefied natural gas (LNG) or liquefied petroleum gas (LPG); including transit buses, medium/heavy duty trucks, refuse haulers, school buses and delivery trucks. It is formulated for applications requiring Cummins CES 20074.



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## TYPICAL TECHNICAL PROPERTIES

### Synthetic Vehicular Natural Gas Engine Oil (ANGV)

Viscosity 100°C, cSt [ASTM D 445]	14.5
Viscosity 40°C, cSt [ASTM D 445]	97.4
Viscosity Index	155
Cold Crank Simulator, cP (°C) [ASTM D 5293]	4730 (-20)
Flash Point, °C (°F) (COC) [ASTM D 92]	238 (460)
Fire Point, °C (°F) (COC) [ASTM D 92]	258 (496)
Pour Point °C (°F) [ASTM D 97]	-39 (-38)
NOACK (%wt loss) [ASTM D 5800]	6.7
Four Ball Wear Test [ASTM D 4172]	
75°C, 1200 rpm, 40 kg, 1 hr	0.44
Total Base Number (TBN)	5.84
Total Acid Number (TAN)	1.05
HTHS (cP) [ASTM D 5481]	4.2
Sulfated Ash Content, wt %	0.58
<b>METALS</b> (ppm)	
Phosphorus	850
Zinc	890

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### Mixing AMSOIL

AMSOIL Synthetic Vehicular Natural Gas Engine Oil is compatible with conventional petroleum oils and other synthetic lubricants; however, mixing AMSOIL with petroleum oil will not allow for the maximum protection and performance of the product. Engine oil additives or aftermarket products are not recommended for use with Synthetic Vehicular Natural Gas Engine Oil.



Contact your AMSOIL Dealer for more information on AMSOIL products or to place an order. You may also order direct by calling AMSOIL INC. at 1-800-956-5695 and providing the referral number listed here. ▼

Referral # \_\_\_\_\_