**Signal NGE 15W-40 Engine Oil**

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| Product Application: |

Beacon Signal NGE 15W-40 Engine Oil is a specially formulated heavy duty low ash extended life engine oil. It has been developed to meet or exceed the warranty requirements of all major manufacturers of compressed natural gas (CNG), Liquefied natural gas (LNG) and liquefied petroleum gas (LPG) engines in both on and off highway vehicles and stationary equipment. Signal NGE 15W-40 engine oil utilizes high temperature low ash detergent additives providing excellent engine cleanliness by controlling the formation of combustion chamber deposits, piston deposits, and varnish that could lead to ring sticking and breakage.

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| Features and Advantages:  |

\*Extended life product, long drain capability

\*Excellent chemical and shear stability

\*Excellent low temperature pump ability while maintaining high temperature viscosity

\*Outstanding thermal and oxidation stability

\*Low ash detergent additives providing for excellent engine cleanliness

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| Package Size:  |

Bulk, drums, pails

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| Meets or exceeds the following specifications:  |

API CF

Cummins CES 20074 natural gas engine oil

Detroit Diesel 93K216 mobile gas engine oil

MB 226.9

Volvo CNG

Mack CNG

Renault RGD

Isuzu CNG

Hino GNG

Hyundai CNG

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| Applicatons:  |

CNG Municipal Bus Service

CNG Transit Buses

CNG School Buses

LNG/CNG Refuse Truck Service

LNG/CNG Over-The-Road-Trucking

CNG Pick-Up Trucks

CNG Airport and Inner City Shuttles

CNG Powered Street Sweepers

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| Typical characteristics:  |

 **15W-40 NGE**

Viscosity, ASTM D 445

cSt @ 40°C 113

cSt @ 100°C 15.3

Viscosity Index, ASTM D 2270 142

Sulfated Ash, wt% ASTM D 874 .89

Total Base Number, mg KOH/g, ASTM D 2896 6.68

Pour Point, °C, ASTM D 97 -29

Flash Point, °C, ASTM D 92 222

Density @ 15°C kg/l, ASTM D 4052 .872