

## PERFORMANCE PLUS OILS AND LUBRICANTS

PERFORMANCE UNDER THE MOST EXTREME CONDITIONS



AUTOMOTIVE ENGINE | AUTOMOTIVE DRIVELINE | HEAVY DUTY ENGINE | HEAVY DUTY DRIVELINE | HYDRAULIC | GEAR OILS | GREASES | INDUSTRIAL LUBRICANTS | ANTIFREEZE

## **HEAVY DUTY NATURAL GAS ENGINE OIL NGP-3**

Performance Plus® Heavy Duty Natural Gas Engine Oil NGP-3 is recommended for use in Compressed Natural Gas (CNG) and Liquified Natural Gas (LNG) engines and is approved and licensed to meet or exceed the latest Cummins CES 20092 specification. It's also suitable for use in diesel and gasoline engines specifying the following: API CK-4/SN, Cummins CES 20086, Detroit Diesel 93K222, Mack EOS-4.5, Renault RLD-3, Volvo VDS-4.5, ACEA E9-2016, E7, Caterpillar ECF-3, JASO DH-2, MAN 3775, MB 228.31, MTU Category 2.1, and Allison TES-439. This multifuel oil is ideal for mixed fleets that require an oil that meets a wide range of specifications for natural gas engine oil, heavy duty diesel engine oil and passenger car motor oil. It is formulated using high -quality, superior base oil and advanced performance additives engineered to provide excellent deposit control and oxidation control that is required by the CES 20092 specification as well as providing protection against scuffing and wear in the harshest driving conditions.

PERFORMANCE PLUS PROPERTIES	
SAE Viscosity Grade	15W-40
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	113.7 15.3
Viscosity Index	141
CCS Viscosity cP @ -20°C	5,750
MRV Viscosity cP @ -25°C	22,700
TBN	10.0
Evaporative Loss, NOACK, wt%	7
Specific Gravity 15.6°C (60°F)	0.86
Flash Point, °C (°F)	240 (464)
Pour Point, °C (°F)	-39 (-38)
Color (ASTM)	L 3.0
Sulfated Ash, wt%	0.9

Note: Values shown above are representative of current production and may vary within modest ranges

## **Approvals and Specifications**

Performance Plus® Heavy Duty Natural Gas Engine Oil has been formally approved or meets the following specifications:

API CK-4/SN	Mack EOS-4.5
Allison TES-439	MAN 3775
ACEA E9	Mercedes Benz 228.31

Caterpillar ECF-3 MTU Category 2.1
Cummins CES 20086 JASO DH-2
Cummins CES 20092 Renault RLD-3
DD DFS 93K216 Volvo VDS-4.5

DD DFS 93K222

Since Performance Plus Heavy Duty Natural Gas Engine Oil meet the latest stringent requirements of leading engine manufacturers, they are suitable for the following OEMs (where applicable\*\*):

Detroit Diesel Navistar
Blue Bird MAN
Thomas Scania
Collins Hyundai
StarCraft Iveco
Hino Isuzu

Crown Mercedes-Benz

Liberty Volvo
Daimler Renault
Caterpillar John Deere
Komatsu Toyota
Mitsubishi Hitachi
Terex Liebherr

<sup>\*\*</sup>Information regarding recommended maintenance and equipment operating conditions can be found by referencing Original Equipment Manufacturer's (OEM) owner's manual and recommended lubricant grades.

All company, product and service names inclusive of product and brand names are property of their respective owners and for identification purpose only. Whilst some products may carry the respective approvals, visuals are not intended to serve as a recommendation or endorsement.

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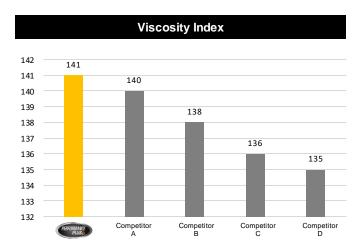
## HEAVY DUTY NATURAL GAS ENGINE OIL

Features and Benefits: Today's fleets (buses and trucks) demand performance, protection and power and Performance Plus Heavy-Duty Natural Gas Engine Oil is designed to meet or exceed these demands. Tested, proven, and trusted quality are why those demanding the best turn to Performance Plus. In addition to performance and protection, Performance Plus Heavy-Duty Natural Gas Engine Oil offers:

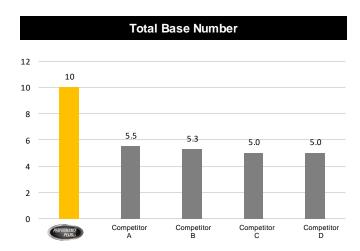
Superior performance over a wide temperature range Excellent anti-wear characteristics
Provides protection at low start up conditions
Thermally stable with low ash percentage
Formulated to resist corrosion over long service intervals

Extending service life in extreme conditions
Preventing undue wear and scuffing of pistons and liners
Eliminating undue wear at cold engine start
Performing at high engine temperatures and RPMs
Protecting key engine components and prolonging life

**Proven and Trusted:** The foundation of all Performance Plus products is the tested, proven and trusted base oil which exceeds the performance of many of the major oil refiners. Our finished lubricants start at a higher level than the competition due to our formulated blend of high quality base oils and additives.



Performance Plus® has a superior Viscosity Index, enhancing performance over a wider temperature range than the leading competitors, protecting engines from wear at extreme high and low temperature environments.



Performance Plus® contains state of the art additives, with industry leading technology. The superior Total Base Number of Performance Plus® indicates a greater corrosion protection over time extending the life of engine components.

Health and Safety: Information detailing health and safety can be found in the corresponding Safety Data Sheet on the Performance Plus website. Performance Plus products contain petroleum distillates and are not likely to pose any significant health or safety hazards. Gloves should be used to avoid any contact - should there be contact with skin, washing with soap and water is advised. If ingested, call a poison center or doctor - do not induce vomiting.

**Storage:** Performance Plus products should not be stored where the temperatures are above 140° F (60° C) or near sparks and flames. Products should be stored under cover and away from the reach of children. In case where drums cannot be under cover, they should be laid horizontally to avoid any potential contaminants.

Disposal: All efforts should be made to protect the environment. Please properly dispose of used motor oil and lubricants. Should younced any assistance please contact your sales representative for information on how Safety-Kleen's used motor oil collection services.

For additional questions, please contact your Performance Plus® Products Sales Representative.