

U1P-Duty – Synthetic Blend, Low Ash Natural Gas Engine Oil (NGEO)

SAE 40wt / 40+ZN / 40+TBN

Heavy-Duty | United States

Product Description

U1P-Duty Ultra1Plus™ NGEO Low Ash SAE 40 is a high-performance low ash, bright stock-free formulation with premium base oil technology. Low ash lubricants offer reliable oxidation and nitration resistance, which helps reduce build-up of insoluble and promotes long oil and filter service life. Low ash oils offer protection against ring and liner scuffing as well as wear and valve recession in four-stroke engines. It also promotes piston and ring belt deposit control to help protect against the formation and build-up of engine sludge.



Features and Benefits

- Assists wear protection and increased engine life.
- Reduces maintenance and down time.
- Promotes increased engine protection.
- Aids in reducing valve recession, deposits, pre-ignition, and sparkplug fouling.
- Fortified with both mineral and synthetic hydrocarbon chemistries for enhanced performance and oil durability.
- Promotes keep-clean engine performance.
- NSCR compatibility



Recommendations:

Ultra1Plus NGEO is recommended for use in natural gas engines manufacturer by the following:

Caterpillar	Superior
Climax	Wartsila
Colt-Fairbanks Morse	Waukesha
Dresser Rand (Category I, II, III)	Worthington
Minneapolis Moline	
Nordberg	
Ruston	



Application

- Recommended for four-stroke and selected two-stroke stationary engines fueled by natural or synthetic gas.
- Formulated to meet NSCR catalyst compatibility requirements and are especially well suited for installation requiring low phosphorous oil to prevent exhaust catalyst poisoning.
- Suitable for use in fuels containing low levels of sulfur and chlorofluorocarbons (CFC).
- In sour gas/high CFC applications, an oil with higher base reserve may be required.

Properties and Specifications

Parameter	Test Method	NGEO LA 40	NGEO 40 ZN+	NGEO 40 TBM+	Typical NGEO LA 40
Specific Gravity (60°F) Viscosity, cSt	ASTM 287	Report	Report	Report	0.855
VI Index	ASTM 2270	> 140	> 140	> 140	> 140
Pour Point	ASTM D 97	< -25°C	< -25°C	< -25°C	< -25°C
Flash Point, COC	ASTM D 92	195	195	195	205
Pounds per Gallon	Calculated	Report	Report	Report	7.15
TBN, mg KOH/g	ASTM D2896	> 5.0	> 5.0	> 6.5	5.4
Sulfated Ash, wt. %	ASTM D874	< 0.5%	0.55%	Report	< 0.5%
Calcium, ppm	ASTM	900 - 1300	900 - 1300	1600 - 1900	1200
Zinc, ppm	ASTM	300 min	350 min	300 min	323
Phosphorus, ppm	ASTM	< 300	750	< 300	290

Revised: 03/06/2023