

Blue Flame GEO 5™



Product Description

D-A **Blue Flame GEO 5™** is designed specifically for use in gas fueled medium and high speed (rpm) engines within the transportation industry. **Blue Flame GEO 5™** can extend engine life through use of its HardBase TBN of five (5) coming from an exclusive detergent/dispersant additive system that provides a new level of deposit control for low ash oils while also effectively neutralizing the corrosive by-products of combustion.

D-A **Blue Flame GEO 5™** is formulated with thermally stable, high VI base oils that are naturally resistant to oxidation. These base oils are combined with a unique additive system that further extends oil oxidation life. Special valve cushioning additive components help reduce exhaust valve seat and face wear during severe service. The low ash, low phosphorus composition is compatible with exhaust gas catalytic converters and promotes longer spark plug life for minimized maintenance costs.

Product Features and Benefits

Optimum level of active detergent reduces piston ring and cylinder liner wear.

Effective detergent alkalinity helps control corrosive wear, providing additional protection when using poorer quality fuel sources.

Special additives maximize retention of effective TBN, providing extra corrosive wear protection during longer service intervals.

Formulated with thermally stable, high VI base oils in combination with multiple oxidation inhibitors for an oil with outstanding resistance to oxidation, nitration and viscosity increase for longer oil life.

Compositionally matched with exhaust gas converters to minimize loss of converter activity due to poisoning and masking of the catalyst.

Cushioning additive components lubricate exhaust valve surfaces for reduced face and seat wear and extended valve service intervals.

Lower oil volatility and viscosity loss at elevated temperatures promotes reduced oil consumption rates, cleaner combustion chambers, longer spark plug life and longer cylinder head servicing intervals.

Typical Applications

D-A **Blue Flame GEO 5™** is designed specifically for use in medium and high speed (rpm) gas engines fueled by processed natural gas.

D-A **Blue Flame GEO 5™** is tailored specifically for the transportation industry.

D-A **Blue Flame GEO 5™** meets the requirements for the Cummins CES 20074 specification. Meets Non-Selective Catalytic Reduction (NSCR) catalyst compatibility requirements.

Typical Properties

SAE Viscosity Grade	Test Method	15W-40
Viscosity @ 100°C, cSt	ASTM D445	14.0
@ 40°C, cSt	ASTM D445	110
Viscosity Index	ASTM D2270	127
Pour Point, °F (°C)	ASTM D97	N/A
Flash Point, °F (°C)	ASTM D92	430 (221)
Sulfated Ash, Weight %	ASTM D874	0.5
Total Base Number	ASTM D2896	5.0
CCS @ -20°C, cP	ASTM D5293	<7,000

D-A Part Number:

Bulk	52681
Tote – 330 Gal	52683
Drum – 55 Gal	52682