
Product Description

D-A Blue Flame GEO™ is designed specifically for use in gas fueled medium and high speed (rpm) engines within the transportation industry. Blue Flame GEO can extend engine life through use of its HardBase™ TBN of five 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 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 *reduce 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.*

Blue Flame GEO is by special order only. Shipping quantities and timeframes apply. Inquire for specifics.

Service Applications

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

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

D-A Blue Flame GEO™ meets the requirements for the Cummins CES 20074 specification.

Meets Non-Selective Catalytic Reduction (NSCR) catalyst compatibility requirements.

Typical Properties:

SAE Grade	15W-40	20W-50
Viscosity		
@ 100°C, cSt	14.0	19.3
@ 40°C, cSt	110	179
Viscosity Index	127	123
Flash Point, °F (°C)	430 (221)	450 (232)
Sulfated Ash, Weight %	0.5	0.5
Total Base Number, ASTM D2896	4.7	4.7

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**To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823)
Or Fax Orders to (317) 923-3884**

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