

Blue Flame HB-8™



Product Description

D-A Blue Flame HB-8™ is designed specifically for use in engines fueled by processed natural gas or other gas sources that may contain corrosive materials. It is a medium ash, natural gas engine oil engineered for maximum performance in turbocharged or naturally aspirated medium and high speed (rpm) gas engines. It is formulated for exceptional control of engine deposits and wear, minimized exhaust valve recession, longer oil life and limited corrosive wear in both normal and severe service. The HardBase™ TBN of eight (HB-8) comes from an exclusive detergent/dispersant additive system providing a new level of deposit control for medium ash oils while also effectively neutralizing the corrosive by-products of combustion.

D-A Blue Flame HB-8 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.

Product Features and Benefits

Higher levels of active detergent *reduce piston ring and cylinder liner wear and keep engines cleaner.*

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

Special additives maximize retention of effective TBN, *providing effective 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.*

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.*

Unique additives *protect against excessive valve sink or recession caused by rapid valve seat and face wear.*

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Service Applications

Gas compression and transmission
Wellhead gas pumpers
Oil pumpers
Irrigation systems
Total energy systems
Waste water treatment cogeneration plants
Landfill gas cogeneration systems
Manure gas cogeneration

Engine Applications:

- Caterpillar
- Cummins Rio-Grande
- Deutz
- Enterprise
- Fairbanks Morse
- Jenbacher
- Minneapolis-Moline
- Stewart & Stevenson
- Waukesha
- White

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

For other engine makes and models, consult the D-A Technical Service Department.

Typical Properties:

SAE Grade	30	40	*15W-40
Viscosity			
@ 100°C, cSt	11.5	14.5	14.4
@ 40°C, cSt	100	145	104
Viscosity Index	102	98	136
Pour Point, °F (°C)	-5 (-21)	10 (-12)	-20 (-29)
Flash Point, °F (°C)	450 (232)	460 (237)	430 (221)
Sulfated Ash, Weight %	0.8	0.8	0.8
Total Base Number, ASTM D2896	8.0	8.0	8.0
CCS @-20°C; cP	--	--	4500

*SAE 15W-40 is special order only. Minimum shipping quantities and longer delivery time applies.

**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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