

Blue Flame J™



Product Description

D-A **Blue Flame J™** is a high performance oil formulated specifically for use in landfill engines and compressors exposed to abrasive and corrosive fuels. This lubricant begins with naturally high viscosity index base oils for temperature shear stability and is enhanced with our advanced **ChemGuard™** additive technology. The exclusive D-A **ChemGuard™** additive technology has advanced oxidation/anti-wear inhibitors that combat against hydrogen sulfide and significantly reduces nitration build-up to protect exceptionally well against rust and corrosion.

Special valve cushioning components are added to help reduce exhaust valve seat recession, piston and bearing wear. The very low zinc/phosphorous and low ash formula is fortified with a detergent/dispersant package to guard against damaging formation of carbon, sludge and lacquer/polish that can cause undesired liner scuffing. It also keeps the oil flowing to prevent blockage and promotes clean oil-ways. D-A **Blue Flame J™** significantly extends the life of the oil and filters, effectively lowering overall 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.

Meets sensitive CD/CF bearing wear requirements assuring longer bearing life.

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.

Typical 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

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

APPROVALS: Jenbacher engines Types 2, 3, 4 (Version B only) and 6 (Versions C & E, only) running on gas categories B and C. (A – Pipeline quality, B – Biogas, C – Contaminated gas). (The Contaminated gas category includes landfill gas).

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

Typical Properties

SAE Viscosity Grade	Test Method	40
Viscosity @ 100°C, cSt @ 40°C, cSt	ASTM D445	13.3
	ASTM D445	122
Viscosity Index	ASTM D2270	105
Pour Point, °F (°C)	ASTM D97	-0.4 (-18)
Flash Point, °F (°C)	ASTM D92	450 (232)
Sulfated Ash, Weight %	ASTM D874	0.5
Total Base Number	ASTM D2896	5.0

D-A Part Number:

Bulk	52881
Tote – 330 Gal	52883
Drum – 55 Gal	52882