

## Product Description

**D-A Blue Flame J<sup>™</sup> 40** 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<sup>™</sup>** additive technology.

The exclusive D-A **ChemGuard<sup>™</sup>** additive technology has advanced oxidation/anti-wear inhibitors that combat against hydrogen sulfide and significantly reduce 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<sup>™</sup> 40** 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 promote 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.

## PRODUCT AT A GLANCE

- Designed for landfill gas operations exposed to abrasive and corrosive fuels
- Extend drain intervals/Lower maintenance costs
- Control valve seat recession
- Minimize liner scuffing



**D-A Lubricant Company, Inc.**

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### 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).

D-A Blue Flame J 40 supports the performance requirements of Caterpillar, Cummins, Waukesha, Deutz, Wartsila and others.

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

### Typical Properties

SAE Viscosity Grade	J-300	40	
Viscosity			
	@ 100°C, cSt	ASTM D445	13.3
	@ 40°C, cSt	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 D877	0.5	
Total Base Number	ASTM D2896	5.0	
	Drum - 55 Gal	52892	
	Pail - 5 Gal	52898	

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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