

## Product Description

D-A Blue Flame A<sup>™</sup> is an ashless industrial gas engine oil engineered for use in two and four cycle light/medium gas engines. It is recommended for applications where an ashless oil is required for best performance. D-A Blue Flame A resists oxidation and nitration at high operating temperatures thus allowing extended oil life with fewer engine deposits and reduced operational cost. It burns completely to keep gas engine combustion chambers free of deposits that can lead to spark plug fouling and pre-ignition. A high concentration of dispersant additives minimizes piston ring belt, skirt and undercrown deposits while also preventing formation of sludge that can plug oil passages and shorten oil filter life.

D-A Blue Flame A is formulated with thermally stable, high VI base oils that are naturally resistant to oxidation. These base oils are combined with extremely effective ashless dispersant engine cleaners, antiwear additives for superior control of engine wear and a special inhibitor combination to control oil oxidation and nitration.

## Product Features and Benefits

High level of ashless dispersants keeps critical engine parts cleaner and working at maximum efficiency.

Ashless to minimize harmful deposits, which can cause pre-ignition, spark plug fouling and valve failures.

A balanced blend of chemical inhibitors controls oil oxidation and nitration processes for reduced oil thickening and longer oil life.

Effective suspension of oil contaminants by dispersant additives to limit oil filter plugging for longer oil filter life.

### PRODUCT AT A GLANCE

- Ashless Engine Oil
- Light/Medium Service Gas Engine Oil
- For Use in 2 and 4 Cycle
- Burns Completely
- Fewer Engine Deposits



**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

Engine Applications:

- Caterpillar
- Cummins Rio-Grande
- Deutz
- Enterprise
- Fairbanks Morse
- Jennbacher
- 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 Viscosity Grade	J-300	30	40	*15W-40
Viscosity				
@ 100°C, cSt	ASTM D445	11.5	14.5	14.4
@ 40°C, cSt	ASTM D445	103	148	104
Viscosity Index	ASTM D2270	98	97	136
Pour Point, °F (°C)	ASTM D97	-5 (-21)	10 (-12)	-20 (-29)
Flash Point, °F (°C)	ASTM D92	440 (227)	450 (232)	430 (221)
Sulfated Ash, Weight %	ASTM D877	Nil	Nil	Nil
CCS @ -20°C, cP	ASTM D5293	n/a	n/a	<7,000
*Special Order only. Minimum shipping quantities and longer delivery time applies.				
D-A Part Number:	Bulk Gallons	52601	52611	52741
	Drum - 55 Gal	52602	52612	52742
	Pail - 5 Gal	52608	52618	52748

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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