



# Product Bulletin

## SUPREME DDO LOW ASH STATIONARY GAS ENGINE OIL SAE 40

### PRODUCT DESCRIPTION

**BRAD PENN® Supreme DDO Low Ash Stationary Gas Engine Oil SAE 40** is a premium performance lubricant formulated with advanced additive technology and superior high quality Group II base oils to provide the ultimate in protection for turbocharged, naturally aspirated, medium and high speed, four-cycle gas engines requiring a low ash oil. The additive system utilized in **BRAD PENN® Supreme DDO Low Ash Stationary Gas Engine Oil SAE 40** has been performance proven under severe service, high demand/load, high output conditions such as 'lean burn' and stoichiometric four-cycle engines in co-generation and gas compression applications. The low ash, low phosphorous formula provides exceptional anti-wear protection to valve-train components, gears, bearings, pistons and rings while insuring catalytic converter compatibility and longevity.

### PERFORMANCE ADVANTAGES

This premium Group II base oil/selective additive combination provides:

- Superior resistance to oxidation, nitration and oil thickening even under the most severe operating conditions
- Maximum oil life resulting in the potential for extended drain intervals, reduction in maintenance and operating costs, less waste oil generation and reduced oil usage
- Lower oil volatility to reduce oil consumption and minimize combustion chamber and exhaust system deposits
- Enhanced anti-wear protection in a low phosphorous formulation
- Low impact, lower volatility phosphorous resulting in reduced exhaust catalyst degradation
- Advanced detergent/dispersant performance and excellent Base Number retention to insure ultimate engine cleanliness and reduce sludge and varnish formation, even with extended oil drain intervals.

### APPLICATION

**BRAD PENN® Supreme DDO Low Ash Stationary Gas Engine Oil SAE 40** is designed for use in a wide variety of medium and high-speed, four-cycle gas engines requiring the use of a low ash oil, including those manufactured by Caterpillar, Cummins, Jenbacher, Waukesha, Deutz, Wartsila and others. Always follow equipment manufacturers' recommendations for appropriate product quality, application and viscosity selection.



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**BRAD PENN<sup>®</sup>**  
**Supreme DDO Low Ash Stationary Gas Engine Oil**  
**SAE 40 – Typical Properties**

<b>SAE Grade</b>	<b>Test Method</b>	<b>40</b>
API Gravity	ASTM D-1298A	29.9
Density, lbs/gal (g/L)	Calculated	7.316 (877)
Viscosity, cSt @ 40°C	ASTM D-445	119.8
Viscosity, cSt @ 100°C	ASTM D-445	13.0
Viscosity, SUS @ 100°F	ASTM D-2161	625.7
Viscosity, SUS @ 210°F	ASTM D-2161	71.6
Viscosity Index	ASTM D-2270	102
Pour Point, (°C), °F	ASTM D-5949	(-33) -27
Flash Point, °F (°C)	ASTM D-92	500 (260)
Color	ASTM D-1500	2.5
TBN	ASTM D-974	6.0
Sulfated Ash, Mass %	ASTM D-874	0.58
<b>Product Code</b>		<b>7249</b>