



Product Bulletin

NO ASH STATIONARY GAS ENGINE OIL

BRAD PENN[®] No Ash Stationary Gas Engine Oils combine a state-of-the-art ashless additive package with premium quality (bright stock-free) paraffinic base oils. This distinctive formulation technology gives our **BRAD PENN[®] No Ash Stationary Gas Engine Oils** exceptional lubricity, film strength, low volatility and a naturally high viscosity index. The premium additive system provides outstanding anti-wear and scuffing protection, excellent resistance to oxidation and nitration, prevention of corrosion, exceptional engine cleanliness and superior deposit control.

BRAD PENN[®] No Ash Stationary Gas Engine Oils:

- Provide exceptional protection against ring, liner and valve wear for longer engine life
- Can extend oil service life by controlling excessive oil thickening caused by oil oxidation and nitration
- Employ an ashless additive system and bright stock-free base oils to minimize engine deposit formation
- Are suitable for use in engines equipped with catalytic converters (low phosphorous)
- Are available in the three primary viscosity grades recommended by engine manufacturers

BRAD PENN[®] No Ash Stationary Gas Engine Oils are designed for use in naturally aspirated and turbocharged two-stroke cycle and certain select 4-stroke cycle natural gas engines specifying the use of an ashless (<0.1% sulfated ash) gas engine oil. Engine manufacturers recommending the use of no ash gas engine oils include Ajax (2-cycle), Dresser-Rand (Clark) [2-cycle] and Cooper-Bessemer (2-cycle). **BRAD PENN[®] No Ash Stationary Gas Engine Oils** are not recommended for use in mobile vehicle service where LPG or CNG fuels are used. Always consult equipment manufacturers' recommendations for proper viscosity grades and sulfated ash levels.



AMERICAN REFINING GROUP, INC.

77 North Kendall Avenue • Bradford, Pennsylvania • 16701

Phone: 814.368.1200 • Fax 814.368.1219 • www.amref.com • ISO 9001:2008

BRAD PENN[®]

No Ash Stationary Gas Engine Oil Typical Properties

SAE Grade	Test Method	30	40	15W-40
Gravity, API	ASTM D-4052	29.0	28.4	30.5
Density, lbs/gal	Calculated	7.34	7.37	7.27
Viscosity, cSt @ 40°C	ASTM D-445	96.0	130.0	109
Viscosity, cSt @ 100°C	ASTM D-445	11.3	13.6	14.1
Viscosity, SUS @ 100°F	ASTM D-2161	445	660	540
Viscosity, SUS @ 210°F	ASTM D-2161	64	71	74
Viscosity Index	ASTM D-2270	102.0	100	129
Pour Point, °F (°C)	ASTM D-5949	-11 (-24) (max)	-5 (-21) (max)	-27 (-33)
Flash Point, COC, °F (°C)	ASTM D-92	450 (232)	450 (232) (min)	425 (219)
Color	ASTM D-1500	2.0	2.0	2.0
TBN	ASTM D-2896	2.2	2.2	2.2
Sulfated Ash, mass %	ASTM D-874	.09	.09	.09
KF Moisture, ppm	ASTM D-6304	400 (max)	400 (max)	400 (max)
Phosphorus, Mass %	Calculated	.05	.05	.05
Product Code		7260	7261	7262