

Lotus Lubes™ Hyper Gas Engine Oil LA

PRODUCT DESCRIPTION

LOTUS Lubes™ Hyper Gas Engine Oil LA is a premium low-ash, detergent, and dispersant engine oil. It is specially formulated for peak performance and ultimate protection in high-output 4-stroke cycle natural gas engines operating under heavy loads and extreme conditions.

LOTUS Lubes™ Hyper Gas Engine Oil LA, available in SAE grades 30, 40, and 15W-40, meets and exceeds performance requirements as defined by the API classification CD and major engine manufacturer standards.

FEATURE & BENEFITS

- * Excellent wear protection for critical engine components
- * Maximum resistance to sludge and varnish deposit formation
- * Protects against valve stem deposits and valve recession
- * Maintains optimum engine cleanliness
- * Compatible with vehicle emission and catalyst systems
- * Reduced maintenance and extended engine life
- * Formulated exclusively with premium group II base stocks for maximum resistance to oxidation
- * High TBN and excellent TBN retention delivers extended service intervals
- * Advanced detergent system provides maximum valve, seat, and guide protection
- * Special ashless dispersants minimize port plugging



TYPICAL PHYSICAL PROPERTIES

SAE GRADE	Test Method	30	40	15W-40
API Service		CD	CD	CD
API Gravity		29.0	29.0	31.0
Viscosity @ 40°C, cSt	ASTM D445	100.0	125	127
Viscosity @ 100°C, cSt	ASTM D445	11.5	13.3	15.8
Viscosity Index	ASTM D2270	101	100	132
Flash Point, °C (°F)	ASTM D93	257 (495)	260 (500)	232 (450)
Pour Point, °C (°F)	ASTM D97	-30 (-22)	-27 (-17)	-39 (-38)
TBN, mg KOH	ASTM D2896	5.8	5.8	5.8
Sulfated Ash, wt %	ASTM D874	0.47	0.47	0.47
Zinc, ppm		270	270	270
Phosphorus, ppm		250	250	250

Minor variations in typical physical properties may occur from normal manufacturing processes.

APPLICATIONS

Recommended for high-output, turbocharged, and naturally aspirated natural gas engines found in electrical power generation, gas compressors, irrigation pumps, drilling rigs, and crude oil and gas pipelines, including:

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| * Caterpillar G3516 & G3600 field tested performance standards | * Colt-Fairbanks Morse |
| * Dresser Rand (I, II, & II) | * Deutz-MWM |
| * Guascor | * Jenbacher |
| * Superior | * Wartsila |
| * Waukesha | * Worthington |