

February 11, 2016

Klüber Lubrication NA LP • P.O. Box 131359 • Tyler, CR 2120, Texas 75713, Phone 903.534.8021 • Fax 903.581.4376

Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

NATURAL GAS ENGINES

GEO SH (Ashless) GAS ENGINE OIL SERIES

Summit GEO SH (Ashless) Series are unique ashless, soft medium TBN gas engine oils manufactured from the finest synthetic base oils to optimize performance. Summit GEO SH (Ashless) Series gas engine oils are recommended for those two-stroke and four-stroke engines that are more sensitive or prone to fouling from metallic detergent additives that would contribute to combustion chamber deposits, spark plug fouling or ash pounding. They can be used in lean- or rich-burn service, naturally aspirated or turbo-charged engines. They are formulated with the latest in gas engine oil additive technology with oxidation & nitration inhibitors and nitrogen-based, non-metallic dispersants to disperse combustion by-products for improved engine cleanliness.

The end user benefits that can be anticipated with the use of **Summit GEO SH (Ashless) Series** include:

- Engine thermal efficiency improvements
- Horsepower improvements in BHP-hr throughout the load range
- Cleaner engine operations & clean up of old deposits
- Significant reductions in engine component wear
- Excellent protection against poisoning or masking of catalytic components
- Negligible nitration degradation while operating at lean (low O₂ exhaust) or improved oxidation resistance under rich-burn conditions
- Extended ODI-oil drain intervals well beyond mineral-based competitors' formulations with the use of a reputable laboratory used oil analysis service

Physical Properties

PRODUCTS	GEO SH-30	GEO SH-40
SAE Grade	30	40
Viscosity		
@ 40°C, cSt	78.0	100.0
@ 100°C, cSt	12.1	14.6
Viscosity Index	151	155
Flash Point, °F (°C)	480 (249)	490 (254)
Pour Point, °F (°C)	-40 (-40)	-30 (-34)
Sulfated Ash, % wt.	NIL	NIL

Customer Benefits:

Reduced oil consumption
Superior lubrication at all temperatures
Longer engine life
Faster starting in cold weather conditions

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.