Product information

GEO SH® (Low Ash) Gas Engine Oil Series

Natural gas engine oil

Your benefits at a glance

Additional end user benefits that can be anticipated with the use of Summit GEO SH (Low Ash) Series include:

- Horsepower improvements in BHP-hour throughout the entire load range
- Engine thermal efficiency improvements
- Reduced oil consumption
- Easier cold weather starting
- Significant reductions in bearing & component wear
- Negligible nitration degradation while operating at lean (high 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

Your requirements - our solution

Summit GEO SH-130 and GEO SH-140 are low ash, balanced medium TBN gas engine oils manufactured from the finest synthetic base oils to optimize performance. Summit GEO SH-130 and GEO SH-140 are recommended for lean- or rich-burn service in two-stroke and four-stroke gas engines, naturally aspirated to turbo-charged. They are formulated with the latest in gas engine oil additive technology comprised of superior anti-wear and anti-scuff agents, oxidation & nitration inhibitors and detergent-dispersants to neutralize corrosive gas components, provide excellent protection against valve component recession or beat-in and disperse combustion by-products for improved gas engine cleanliness and low combustion chamber desposits.

Material safety data sheets

Material safety data sheets can be requested via our website https://www.klsummit.com. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	GEO SH-130	GEO SH-140
Article number	340041	340042
Density, 20°C	approx. 0.851 g/cm³	approx. 0.853 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 240 °C	≥ 240 °C
Sulfated ash	approx. 0.5 % by weight	approx. 0.5 % by weight
Total base number	approx. 5.5 mg KOH/g	approx. 5.5 mg KOH/g
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 10.8 mm²/s	approx. 13.7 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 72.5 mm²/s	approx. 95.5 mm²/s
Viscosity index, ASTM D2270	approx. 138	approx. 144
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -58 °C	approx. -55 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months

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Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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