



## GENERATOR SYNTHETIC MOTOR GAS 404

### Description

Oil especially designed to lubricate engines that use special gases or enriched gases (H<sub>2</sub>) and where combustion may be highly sensitive to ashes or deposits in valves or pistons. Using hydrogen as fuel is especially important that the lubricant not add more ash. Using synthetic components and additives with low ash content minimises the formation of deposits in the combustion chamber and helps prevent detonations or anomalies in the combustion that occur when other kinds of conventional lubricants are used.

### Properties

- Special tailor made lubricant formulated with highly resistance to oxidation and nitration.
- Low ash content (0.44 %), minimizing the formation of deposits and extending the lifespan of engine components.
- Its formula reduces the negative effects of using special gases, due to hydrogen gas as fuel may significantly impact and change some engine systems and the operability of engines, affecting combustion chamber process and as consequence to the lubrication of the engine.
- The product's performance has been verified in oxidation tests with satisfactory results.
- Experience with more than 20,000 engine running hours using as fuel coke battery enriched gas with 65 % content of H<sub>2</sub>.

### Quality levels, approvals and recommendations

- INNIO JENBACHER TA 1000-1109 for gas Class S (high hydrogen content) / CAT\*

\* Formal approval

### Technical specifications

	UNIT	METHOD	VALUE
Product Code			RP_5152H
SAE Grade			40
Density at 15 °C	g/cm <sup>3</sup>	ASTM D4052	0.955
Viscosity at 40 °C	cSt	ASTM D445	122.9
Viscosity at 100 °C	cSt	ASTM D445	12.96
Viscosity index	-	ASTM D2270	98
Flash point, open cup	°C	ASTM D92	232
TBN	mg KOH/g	ASTM D2896	5.3
Sulphated ashes	% in weight	ASTM D874	0.44

The above mentioned characteristics are typical values and should not be considered product specifications.