

Lubricants for industry.



## Troncoil Biogas Low Ash

Advanced technology lubricant with low ash content recommended for stationary gas engines using landfill gas, biogas, and sewer gas.

### Use

- Product formulated with highly refined and select paraffinic base oils and new-generation additives, especially recommended for 4-stroke engines using gas from anaerobic decomposition of urban waste as fuel, with great efficiency in neutralizing the chlorinated organic acids and hydrogen sulfide in the gas.
- This oil is optimal for use in modern engines designed with higher effective pressures, and therefore that are more sensitive to ash and prone to detonation effects.

### Benefits

- Balanced reserve alkalinity with adequate retention of alkalinity. Excellent neutralization of acids formed by combustion.
- Remarkable resistance to foaming and corrosion.
- Exceptional oxidation stability and nitration stability.
- Excellent protection against piston and jacket wear.
- Maximum protection of valves and seats.
- Low tendency to the formation of deposits and carbonaceous residues, stains and sludge.
- Longer service life, providing longer drain intervals in engines.

### Specifications

- CATERPILLAR
- INNIO Jenbacher TA-1000-1109 Series 2, 3, 4 and 6 – Gases B and C
- MAN
- MWM DEUTZ TR 2105

### Physical and chemical properties

Parameter	Units	Method	Troncoil Biogas Low Ash
SAE Grade	-	-	40
Density 15° C	g/cc	ASTM D-4052	0.8727
Flash Point V/A	°C, min.	ASTM D-92	>220
Pour point	°C	ASTM D-97	-30
Viscosity at 100° C	cSt	ASTM D-445	13.35
Viscosity at 40 °C	cSt	ASTM D-445	120
Viscosity Index	min	ASTM D-2270	108
Base number	mg KOH/g	ASTM D-2896	4.5
Sulfated ash	% p	ASTM D-874	0.55

### Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.