

TECHNICAL PRODUCT SHEET

PWR BIOGAS SAE 40



DESCRIPTION

PWR BIOGAS is premium-performance gas engine oil is engineered to meet the rigorous demands of modern high-output, four-cycle engines operating on landfill gas and other renewable, low-methane, highly corrosive fuels commonly found in these applications. Its advanced, optimally balanced formulation provides a significant oil-life advantage compared to conventional landfill-gas lubricants.

PWR BIOGAS offers robust protection against corrosive contaminants present in landfill and biogas streams, minimizing acid-related wear and helping prevent deposit formation that can lead to valve torching or guttering, as well as piston ring and groove deposits. By maintaining cleaner engine components and reducing the impact of fuel-borne impurities, it supports extended service life and helps lower overall operating and maintenance costs.

APPLICATIONS

PWR BIOGAS is suitable for engines running on natural gas, biogas, sewage gas, landfill gas, and other challenging bio-gas fuels, where stable performance and long-term cleanliness are essential for operational efficiency. This low phosphorous package is designed to meet catalyst manufacturers' recommendations.

SPECIFICATIONS

INNIO	Jenbacher type 2	Cat	3520C
INNIO	Jenbacher type 3	MAN	3271-4
INNIO	Jenbacher type 4 (versions A&B)	MAN	3271-5
INNIO	Jenbacher type 6 (versions C&E)	MWM	Sewage & landfill gas
INNIO	Landfill gas (class C)		
INNIO	Biogas (class B)		

PROPERTIES

PWR BIOGAS is formulated with high-quality base stocks and an advanced, optimized ash-level additive technology that delivers outstanding oxidation stability, nitration resistance, and thermal stability. Its effective detergent-dispersant system minimizes the formation of carbon deposits, lacquer, and sludge, resulting in cleaner engines, extended oil life, and reduced filter loading. The lower ash content further helps limit deposit build-up on critical engine components, enhancing engine protection and overall performance.

BENEFITS

PWR BIOGAS provides superior protection against the corrosive effects of acids, extending overall engine life. It also reduces the negative impact of high-moisture biogas, supporting stable operation under demanding conditions. By minimizing wear, deposits, and moisture-related degradation, it helps lower operating costs throughout the engine's service life and maximizes productivity.



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PHYSICAL-CHEMICAL CHARACTERISTICS

PWR BIOGAS	METHOD	SAE 40
Density at 15°C, g/cm ³	ASTM D1298	0.895
Viscosity, Kinematic (cSt) 40°C	ASTM D445	143.2
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.5
Viscosity index	ASTM D2270	100
TBN, mgKOH/g	ASTM D2896	5.0
Flash point, COC, °C	ASTM D92	236
Pour point, °C	ASTM D97	-21
Sulfated ash	ASTM D874	0.55

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

