



PAKISTAN STATE OIL

PSO SUPER GAS ENGINE OIL PLUS

Premium Quality Low and Medium Ash Gas Engine oils

PRODUCT DESCRIPTION

PSO Super Gas Engine Oil Plus is a premium quality gas engine oil. The semi-synthetic oil is blended with a combination of superior quality synthetic and hydro-treated base oils with a robust additive package. This oil is suitable for all 4-stroke stationary, natural gas fueled engines with proven performance in naturally aspirated and turbo charged engines. PSO offers Super Gas Engine Oil Plus in low ash and medium ash for appropriate application.

APPLICATIONS

- Moderate service turbocharged stationary engines fuelled by natural gas.
- Equally suitable for dual-fuel gas engines ignited by diesel pilot fuel.

PERFORMANCE STANDARDS

The superior additive technology used in the formulation of PSO Super Gas Engine Oil Plus meets the performance requirement of major gas engine OEMs as follows:

API CF	CATERPILLAR
WAIKESHA	JENBACHER
WARTSILA 4T	Niigata
Guascor	

BENEFITS

- Excellent resistance to oxidation and nitration by neutralizing the acid formation.
- A balanced sulphated ash level optimises valve surface lubrication and reduces valve seat recession and avoids spark plug fouling.
- Optimum TBN value neutralizes corrosive acid formation during dry and hot combustion thus enhancing engine components down time.
- An advanced component additive technology comprises selected detergent/dispersant components to give exceptional cleanliness to pistons and all other moving parts of engine and maximizing service life.

PRODUCT CHARACTERISTICS*

PROPERTIES	METHOD	TYPICAL RESULTS	
		LA 40	MA 40
Density @ 15 °C	ASTM D-4052	0.8681	0.8686
Kinematic Viscosity @ 100 °C	ASTM D-445	14.5	14.5
Kinematic Viscosity @ 40 °C, cSt	ASTM D-445	113.5	113.3
Viscosity Index	ASTM D-2270	132	130
Flash Point (COC), °C	ASTM D-92	228	226
Pour Point, °C	ASTM D97	-24	-24
Total Base Number, mg KOH/g	ASTM D-2896	4.88	7.15
Sulphated Ash, % Wt.	ASTM D-874	0.48	0.71

* These typical characteristics mentioned are based on current mean values.



HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



ADVICE

Advice on application not covered in this leaflet, may be obtained from PSO representative.

PRODUCT DATA SHEET