California Environmental Protection Agency Air Resources Board

POWER SOLUTIONS INTERNATIONAL, INC.

EXECUTIVE ORDER U-L-011-0059-1 New Off-Road Large Spark-Ignition Engines Above 19 Kilowatts

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY NAME	ENGINE DISPLACEMENT (liters)	FUEL TYPE Gasoline, LPG, CNG-LPG Dual Fuel		
2016	GPSIB5.70NGP	5.7			
DURABILITY HOURS	SPEC	IAL FEATURES & CONTROL SYSTEMS	TYPICAL EQUIPMENT USAGE		
5000 Hea		Catalytic Converters (2), Oxygen Sensor (2), eous Fuel Mixer, Multiport Fuel Injection	Generator, Compressor, Pump, Other Industrial Equipment		
ENGINE MODELS (rated power in kilowatt, kW)		5.7L 5.7L Mo	HD (118.7 kW), bile LPG (115.2 kW) S GAS (132.8 kW)		

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

(g/kW-hr)	HC+NOx	СО		
Exhaust Standards	0.8	20.6		
Certification Levels	0.6	1.7		

The following is the evaporative hydrocarbon emission standard (13 CCR Section 2433(b)(4)) and certification emission level for this engine family in grams per gallon of fuel tank capacity (g/gallon).

Evaporative Certification Method	HC Certification Level (g/gallon)	HC Certification Standard (g/gallon)		
Design Based	N/A	0.2		

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(c) (certification and test procedures), 13 CCR Section 2434 (emission control labels), and 13 CCR Sections 2435 and 2436 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

This Executive Order hereby supersedes Executive Order U-L-011-0059 dated December 16, 2015.

Executed at El Monte, California on this

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Model Year:2016	Page:6			
Manufacturer Name:Power Solutions International, Inc	Issued:			
Engine Family:GPSIB5.70NGP	Revised: 4/11/2016			
OFF-POAD I SI ENGINE SLIPPI EMENTAL INFORMATION	E O #: 11.1011.0050 + 1			

\$12. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

2. MODEL SUMI		asterisk (*)		worst-cas					
S13.	S14.	S	S15.	A C	S16.	S17.	S18.	S19.	S20.
Engine Model	Engine Code	Sales Codes (Check ALL appropriate)		Eng. Displ.	Rated	Rated Speed (RPM)	Peak Torque	Peak Torque Speed	
		Calif. Only	49- State	50- State	(Liters)	(kW)	(RPM)	(FT-LB)	(RPM)
5.7L HD*	5.7L HD*			Х	5.7	118.7	3000	278.0	1400
5.7L Mobile LPG	5.7L Mobile LPG			х	5.7	115.2	2800	316.0	1680
5.7L CS GAS	5.7L CS GAS			х	5.7	132.8	3000	311	2600

5.7L HD (constant speed LPG and/or NG), 5.7L Mobile LPG (variable speed LPG only) 5.7L CS GAS (constant speed gasoline)