State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-326-1

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

POWER SYSTEMS ASSOCIATES

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following 1996 model-year Power Systems Associates diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel [dedicated] or Diesel + Compressed Natural Gas (CNG) [bi-fueled]

Engine Family	Engine Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
TPS629EZJARK	10.3	(629)	Turbocharger Charge Air Cooler Engine Control Module (Diesel) Engine Control Module (CNG)

Engine model codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour: (The standards for diesel + CNG bi-fuel are in the parentheses.)

Total (Non-Methane) Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3 (1.2)	15.5 (15.5)	5.0 (5.0)	0.10 (0.10)

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour: (The values in parentheses are the certification exhaust emission values for diesel + CNG bi-fuel.)

Engine Family	Total (Non-Methane) Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
TPS629EZJARK	0.2 (0.6)	1.3 (4.6)	4.4 (5.0)	0.09 (0.09)

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 14th day of August 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-326-1

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HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer: Power Systems Associates Engine Family: TPS629EZJARK
Displacement: 10.3 / Liters 629 / Cubic Inches
All Eng Codes in Eng Family: CA___ 49S___ 50S X Strokes/Cycle: 4 Valves/Cylinder: 4
Ignition: Compression X Compression with Glow Plug___ Spark___
Fuel Type(s): Dedicated___ Flex-Fuel___ Dual-Fuel___ Bi-Fuel X Diesel___ CNG___
LNG___ LPG___ M85___ M100___ Other (specify) ~~Flex Fuel~~ (Bi-Fuel, Diesel/Natural Gas
Diesel Cert Fuel: 13 CCR 2282___ 40 CFR 86.1313-90___ 40 CFR 86.1313-94 X
Maximum Rated Power: 350 HP @ 2120 RPM Engine Configuration: I6
Exhaust ECS (e.g., OC, EGR, PTOX, IFI, TC, CAC): CAC,ECM(2),TC
(Use abbreviations per SAE J1930 SEP91)

Engine Model (Eng. Code)	Rated H/P @ RPM	Fuel Rate @ Rated HP mm3/stroke	Fuel Pump & Injector Part No.	Natural Gas Injector Part No.	ECM/ PCM Part No.	ECM/ Natural Gas Part No.	EGR Valve Part No.	PTOX/ Catalytic Converter Part No.
1	350 @ 2120	20.5 Diesel	1168888	616281	1299334	607394	——	——
		186.5 Natural Gas		(SP014D1)	1299352	613089		
2	325 @ 2120	17.7 Diesel	1168888	616281	1299346	607394	——	——
		161.2 Natural Gas		(SP014D1)		613088		
3	275 @ 2120	13.5 Diesel	1168866	616281	1299337	607394	——	——
		123 Natural Gas		(SP014D1)		613087		

Date Issued:
Revisions: