ENGINE DISTRIBUTORS, INC.

EXECUTIVE ORDER U-L-034-0059
New Off-Road Large Spark-Ignition
Engines Above 19 Kilowatts

Pursuant to the authority vested in California 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-19-095;

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	DISPLACEMENT (liters)	FUEL TYPE		
2022	NEDIB03.5LSG	3.5	LPG, CNG, LPG-CNG Dual Fuel		
DURABILITY HOURS		IAL FEATURES & I CONTROL SYSTEMS	TYPICAL EQUIPMENT USAGE		
5000	Heate	ay Catalytic Converter, ed Oxygen Sensor, seous Fuel Mixer Forklift, Generator, Compressor, Pump, Other			
	SINE MODELS wer in kilowatt, kW)		See Attachment		

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).

	HC+NOx (g/kW-hr)	CO (g/kW-hr)
EXHAUST STANDARD	0.8	20.6
CERTIFICATION LEVEL	0.3	6.5

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.

Executed on this 2/st day of February 2022.

Allen Lyons, Chief

Emissions Certification and Compliance Division

For CARB Use Only
Executive Order: U-L-034-0059
Attachment __1__of__2_

Date: 1/4/2022

Engine Family: NEDIB03.5LSG

Model Summary

(Use an asterisk (*) to identify worst-case engine model used for certification testing.)

		S15.							
S13. Engine Model	S14. Engine Code	Sales Codes (Check all appropriate)							
		CA Only	49-State	50-State	S16. Engine Displacement (Liters)	S17. Rated Power (kW)	S18. Rated Speed (RPM)	S19. Peak Torque (FT-LB)	S20. Peak Torque Speed (RPM)
LSG635*	LPG-S*			Х	3.5L	100.8	3600	268	2000
LSG635	LPG-S(3500 RPM)			х	3.5L	96.5	3500	268	2000
LSG635	LPG-S(3400 RPM)			х	3.5L	92.2	3400	268	2000
LSG635	LPG-S(3300 RPM)			Х	3.5L	89.1	3300	268	2000
LSG635	LPG-S(3200 RPM)			Х	3.5L	86.1	3200	268	2000
LSG635	LPG-S(3100 RPM)			Х	3.5L	83.3	3100	268	2000
LSG635	LPG-S(3000 RPM)			Х	3.5L	80.5	3000	268	2000
LSG635	LPG-S(2900 RPM)			Х	3.5L	79.1	2900	268	2000
LSG635	LPG-S(2800 RPM)			Х	3.5L	77.8	2800	268	2000
LSG635	LPG-S(2700 RPM)			Х	3.5L	75.1	2700	268	2000
LSG635	LPG-S(2600 RPM)			Х	3.5L	72.4	2600	268	2000
LSG635	LPG-S(2500 RPM)			Х	3.5L	69.9	2500	268	2000
LSG635	LPG-S(2400 RPM)			Х	3.5L	67.3	2400	268	2000
LSG635	LPG-S(2300 RPM)			Х	3.5L	64.2	2300	268	2000
LSG635	LPG-S(2200 RPM)			Х	3.5L	61.1	2200	268	2000
LSG635	LPG-S(2100 RPM)			Х	3.5L	58.6	2100	268	2000
LSG635	LPG-S(2000 RPM)			Х	3.5L	56.1	2000	268	2000
LSG635	LPG-S(1900 RPM)			Х	3.5L	52.9	1900	265.9	1900
LSG635	LPG-S(1800 RPM)			Х	3.5L	49.7	1800	260	1700
LSG635	LPG-S(1700 RPM)			Х	3.5L	46.0	1700	259.9	1700
LSG635	LPG-S(1600 RPM)			X	3.5L	42.2	1600	252	1600
LSG635	LPG-S(1500 RPM)			X	3.5L	38.1	1500	249.9	1500
LSG635*	NG-LPV-S*			X	3.5L	90.5	3600	247.5	2800
LSG635	NG-LPV-S(3500 RPM)			X	3.5L	87.3	3500	247.5	2800
LSG635	NG-LPV-S(3400 RPM)			X	3.5L	84.2	3400	247.5	2800
LSG635	NG-LPV-S(3300 RPM)			Х	3.5L	81.7	3300	247.5	2800
LSG635	NG-LPV-S(3200 RPM)			X	3.5L	79.2	3200	247.5	2800
LSG635	NG-LPV-S(3100 RPM)			Х	3.5L	76.9	3100	247.5	2800
LSG635	NG-LPV-S(3000 RPM)			Х	3.5L	74.7	3000	247.5	2800
LSG635	NG-LPV-S(2900 RPM)			Х	3.5L	73.6	2900	247.5	2800
LSG635	NG-LPV-S(2800 RPM)			Х	3.5L	72.6	2800	247.5	2800
LSG635	NG-LPV-S(2700 RPM)			Х	3.5L	69.7	2700	247.4	2000
LSG635	NG-LPV-S(2600 RPM)			Х	3.5L	66.9	2600	247.4	2000
LSG635	NG-LPV-S(2500 RPM)			Х	3.5L	64.3	2500	247.4	2000
LSG635	NG-LPV-S(2400 RPM)			Х	3.5L	61.6	2400	247.4	2000
LSG635	NG-LPV-S(2300 RPM)			Х	3.5L	59.2	2300	247.4	2000
LSG635	NG-LPV-S(2200 RPM)			Х	3.5L	56.9	2200	247.4	2000
LSG635	NG-LPV-S(2100 RPM)			X	3.5L	54.3	2100	247.4	2000
LSG635	NG-LPV-S(2000 RPM)			X	3.5L	51.8	2000	247.4	2000
LSG635	NG-LPV-S(1900 RPM)			X	3.5L	48.7	1900	244.7	1900
LSG635	NG-LPV-S(1800 RPM)			X	3.5L	45.6	1800	238.1	1700
LSG635	NG-LPV-S(1700 RPM)			X	3.5L	42.4	1700	238.1	1700
LSG635	NG-LPV-S(1600 RPM)			Х	3.5L	39.3	1600	234.4	1600

Date: 1/4/2022

Engine Family: NEDIB03.5LSG

Model Summary

(Use an asterisk (*) to identify worst-case engine model used for certification testing.)

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S13. Engine Model	S14. Engine Code	S15. Sales Codes (Check all appropriate)							
		CA Only	49-State	50-State	S16. Engine Displacement (Liters)	S17. Rated Power (kW)	S18. Rated Speed (RPM)	S19. Peak Torque (FT-LB)	S20. Peak Torque Speed (RPM)
LSG635	NG-LPV-S(1500 RPM)			x	3.5L	35.2	1500	229	1500
LSG635*	LPG-T*			Х	3.5L	86.1	3200	268	2000
LSG635*	NG-T*			Х	3.5L	79.2	3200	247.5	2800
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