State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-232-22

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

RENAULT VEHICULES INDUSTRIELS

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 Renault Vehicules Industriels diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fu<u>el Type</u>: Diesel

<u>Engine Family</u>	Engine	Displacement	Exhaust Emission Control
	<u>Liters</u>	(Cubic Inches)	<u>Systems and Special Features</u>
TR3377D8DABW	6.2	(377)	Turbocharger Smoke Puff Limiter Charge Air Cooler Oxidation Catalytic Converter Engine Control Module

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Engine Family	Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>	
TR3377D8DABW	0.1	0.8	4.7	0.07	

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.).

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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 $\frac{147}{147}$ day of Manch 1996.

R. B. Summerfield Assistant Division Chief Mobile Source Division

E.O. # A-232-22

199<u>6</u> MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page <u>2</u> HEAVY-DUTY DIESEL-STANDARD ENGINES

All Eng Codes Ignition: Com Fuel Type(s): Diesel Cert Fu Maximum Pated	in Eng Family pression <u>x</u> Dedicated <u>x</u> LNG <u>L</u> PO el: 13 CCR 2 Power: 220	6.2 Li Comp Comp Flex-Fuel M85 28240 HP @ PTOX, IFI, TC	_ 50S_X Stro pression with Dual-Fuel M100 Ot CFR 86.1313 2350R	Glow Plug Glow Plug Bi-Fuel her (specify) -90 4 PM Engin	Diesel <u>x</u> O CFR 86.13 e Configura	Spark CNG 313-94_X ation: <u>I-6</u>
Engine Model (Eng Code)			Fuel Dump		FGR	PTOX /
MIDR060226 M511	220 at 2350	107 +/- 3 (82.48)	PUMP BOSCH PES6P 120A 320RS8028 REGULATOR BOSCH RQV275- 1175PA1101K INCECTOP ASSEMBLY EDSCH	SOFLAAFE RENAULT VI 5010258154		CATALYST ENGELHARD P 217350 6" MUFFLER DONALDSON DC M 100789 RENAULT VI 5010230455

Date Issued: DEC 95

Revisions:

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