State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-235

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

DAIMLERCHRYSLER AG

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 of the Health and Safety Code; and

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

IT IS ORDERED AND RESOLVED: That the following engine and emission control system produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Model Year: 2001

Fuel Type: Diesel

Engine Family	-	lacement <u>Cubic Inches</u>	Exhaust Emission Control Systems and Special Features
1MBXH12.8DJA	12.8	763	Turbocharger Charge Air Cooler Electronic Control Module Direct Diesel Injection

Engine models and codes are listed on attachments.

BE IT ORDERED AND RESOLVED: That the following are the certification exhaust emission standards (Title 13, California Code of Regulations, Section 1956.8) and certification exhaust emission values for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP"):

	Total <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen Oxides	Particulate <u>Matter</u>
Standard	1.3	15.5	4.0	0.10
Certification	0.2	1.9	3.6	0.08

BE IT FURTHER RESOLVED: That the aforementioned engine family has been conditionally certified subject to the following conditions.

- 1. Any engine which employs a defeat device shall not be covered by this Executive Order.
- 2. Within 90 days following the issuance of this Executive Order, the manufacturer must show cause, to the satisfaction of the Executive Officer or his designee, that the strategy for fuel injection timing, including timing during the fuel economy mode, is not a defeat device.

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, Sections 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed engine models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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 ______

day of April 2001.

R. B. Summerfield, Chief

Mobile Source Operations Division

LARGE ENGINE MODEL SUMMARY

	vendracturer. Dammer Ciliysier AG	r AG		Process Code:	Process Code: New Submission	sion	4-7-926	`
A Engine Fan	EPA Engine Family: 1MBXH12.8DJA	8DJA	!	Manufacturer Family Name:	⁻ amily Name:	ΝΑ	ことの	• ′
.Engine Code	1.Engine Code 2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	9.Emission Control evice Per SAE J1930
Code I	OM460LA OM460LA	450 @ 2000 435 @ 2000	243 235	159.0 153.9	1550 @ 1100 1550 @ 1100	289	104.2 0 04, TC, EC, CAC 104.2 004, TC, EC, CAC	0 0≠, TC, EC, CAC 00≠, TC, EC, CAC