State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-27-64

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

MACK TRUCKS, INC.

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-45-3;

IT IS ORDERED AND RESOLVED: That the following Mack Trucks, Inc. 1994 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
RMK728EGDARA	11.9	(728)	Turbocharger Charge Air Cooler Smoke Puff Limitter

Engine models and codes are listed on attachments.

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

The following are the certification emission values for this engine family in grams per brake horsepower-hour, except that compliance with the carbon monoxide emission standard has been demonstrated pursuant to Title 40, Code of Federal Regulations, Part 86, Subpart A, Section 86.088-23(c)(2)(i):

Engine Family	Hydrocarbons	Nitrogen Oxides	Particulates
RMK728EGDARA	0.0 (0.01)	4.1	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 5th day of January, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer MACK TRUCKS, INC. Engine Family 44 (RMK728EGDARA)

Liters (CID) 11.9 (728) Fuel Type DIESEL Engine Config. I-6

Exhaust ECS & Special Features(ECM/PCM, PTOX, IFI, etc.) SPL, TC, CAC
(Use abbreviations per SAE J1930 MAY91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3 / stroke (lbs/hr)	Fuel Pump & Injector P/N 313GC/114GC	ECM/PCM P/N	Part. Trap/ Catalyst P/N
E7-350	350 @ 1800	221.4 (138.6)	5188-P12/ 325	N/A	N/A
E7-300	300 @ 1950	182.2 (123.6)	5188-P8/ 325	N/A	N/A
EM7-300	300 @ 1750	193.7 (117.9)	5188-P10/ 325-P2	N/A	N/A
EM7-275	275 @ 1750	175.3 (106.7)	5188-P4/ 325-P3	N/A	N/A
E7-250	250 @ 1950	150.7 (102.2)	5188-P6/ 325-P3	N/A	N/A
EM7-250	250 @ 1750	161.0 (98.0)	5188-P2/ 325-P3	N/A	N/A

Revisions: