

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-27-42  
Relating to Certification of New 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. 1984 model-year diesel engines have shown compliance with the optional transient standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
10	998 (16.4)	(Acceleration Smoke Puff Limiter) (Intercooler) (Turbocharger)

Engine models and codes are listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model-year heavy-duty engine exhaust emission standards and the following certification emission values:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
10	0.5	4.3

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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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.

Executed at El Monte, California this 12<sup>th</sup> day of December, 1983.

  
R. D. Drachand, Chief  
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer MACK TRUCKS, INC. Page 16.04-2  
10/31/83

Engine Family 10 CID(Liter)-Type 998 V-8 (16.4)

ECS and (Special Features) Turbocharged and Chassis Charge Air Cooled (Smoke Puff Limiter)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
EC9-400	UTDS 313GCA5159-P4	UTDS 114GC39-P10 or 114GC39-P15	400 @ 1700	197.0	10
EC9-450	UTDS 313GCA5159-P2	UTDS 114GC39-P10 or 114GC39-P15	450 @ 1800	201.1	10

Date of Issue -

REVISION NO.	1									
DATE	1983	12/15								

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DATE \_\_\_\_\_ EPA REP \_\_\_\_\_