State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-243-4
Relating to Certification of New Motor Vehicle Heavy-Duty Engines

VOLVO TRUCK CORPORATION

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 Volvo Truck Corporation 1985 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:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
FVT0409FPA2	409(6.7)	(Smoke Puff Limiter) (Turbocharged) (Aftercooler)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
FVT0409FPA2	0.8	4.4	5.0

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).

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 7th day of March, 1985.

K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES E.O. NO: 243-4

Manufacturer: Volvo Truck Corporation

Engine Family: FVT0409F PA2

Engine Displacement: 409 CID Type: L-6

ECS and Aux.ECS: Smoke Eliminator, Charge Air Cooler, Charge Air Cooler By-Pass Valve, (Turbocharger).

Engine Model	Fuel Injection Pump Mfr. Volvo Part Number	Fuel Injector Mfr Volvo Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm^3/stroke	Label Identification
TD70FC	Bosch 471285	Bosch 471283	205 2400	107 (83.8 lbs/hr)	TD70FC Code II

1091