State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-243-19

Relating to Certification of New Heavy-Duty Motor Vehicle 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 1995 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
SVT12.EJDBRA (VE-D12)	12.1	(740)	Engine Control Module Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

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

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
SVT12.EJDBRA (VE-D12)	0.1	2.8	4.9	0.08

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 16th day of March, 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-243-19

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer Volvo Truck Corporation Engine Family VE-D12 SVT12.EJDBRA
Displacement: / 12.1 Liters / 740 Cubic Inches
Maximum Rated Power: 425 HP @ 1700 RPM Engine Configuration: I6
Ignition: Compression XX Compression with Glow Plug Spark
Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Diesel XX M100 M85
CNG LNG LPG Other (specify)
Diesel Cert Fuel: 13 CCR 2282 40 CFR 86.1313-90 40 CFR 86.1313-94 XX
Primary Intended Service Class: LHD MHD HHD XX Urban Bus
Exhaust ECS (incl. MFI, TC, CAC): ECM, TC, CAC
(use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
VE D12-370 (I)	370/1700	212.0 (118.9)	INJECTORS 1547909	EPG-1677605 VEB-1677835		
VE D12-415 (II)	415/1700	239.0 (134.0)	1547909	EPG-1677604 VEB-1677834		
VE D12-425 (III)	425/1700	245.0 (137.3)	1547909	EPG-8148438 VEB-8148439		
VE D12-370VT (IV)	370/1700	212.0 (118.9)	1547909	EPG-8148386 VEB-8148389		
VE D12-415VT (V)	415/1700	239.0 (134.0)	1547909	EPG-8148385 VEB-8148388		
VE D12-310 (IV)	310/1700	179.0 (100.3)	1547387	EPG-1677492 VEB-1677837		
VE D12-335 (VII)	335/1700	194.0 (108.7)	1547387	EPG-1677457 VEB-1677836		
VE D12-335VT (VIII)	335/1700	194.0 (108.7)	1547387	EPG-1677387 VEB-1677390		
VE D12-425VT (IX)	425/1700	245.0 (137.3)	1547909	EPG-8148475 VEB-8148476		

EPG=EXHAUST GAS PRESSURE GOVERNOR
VEB=VOLVO ENGINE BRAKE

Date Issued:

Revisions: