State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-64
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

CATERPILLAR, 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 Caterpillar, Inc. 1993 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	Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
PCT0403FZDX	6.6	(403)	Turbocharger Smoke Puff Limiter Charge Air Cooler

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	0.25

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

Engine Family	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
PCT0403FZDX	0.3	1.3	4.9	0.23

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 28th day of October, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O. # A-13-64

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

'83

Manufacturer Caterpillar Inc. Engine Family PCT0403FZDX

Liter (CID) 6.6 (403) Fuel Type #2 Diesel Engine Config. 16

Exhaust Emission Control Sys. and (Special Features) , SPL (TC,CAC)

(Use abbreviations per SAE J1930 JUN 88)

Engine Model (Eng. Code)	Fuel Pump* MFR. P/N	Injector MFR. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3/stroke	Part. Trap/ Catalyst MFR. P/N
3116					
(A)	100-4774 (2)	100-5369	200 @ 2600	87	---
	100-4774 (2)	100-5369	200 @ 2600	87	---
(B)	7E6193 (1)	7E6396	215 @ 2600	94	---
(C)	7E6193 (1)	7E6396	250 @ 2600	110	---
(D)	7E6193 (1)	7E6396	275 @ 2450	125	---

(1) Basic Fuel Pump 4P2995
(2) Basic Fuel Pump 1005368

(Reference Page No. 16.04-0403FZD-1).
Revisions:

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HEAVY-DUTY DIESEL ENGINES

Manufacturer Caterpillar Inc. Engine Family PCT0403FZDX

Liter (CID) 6.6 (403) Fuel Type #2 Diesel (.25% Sulfur) Engine Config. 16

Exhaust Emission Control Sys. and (Special Features) EM, SPL (TC,CAC,DI)

(Use abbreviations per SAE J1930 JUN 88)

Engine Model (Eng. Code)	Fuel Pump* MFR. P/N	Injector MFR. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3/stroke	Part. Trap/ Catalyst MFR. P/N
3116					
(A)	100-4774 (2)	100-5369	200 @ 2600	87	---
	100-4774 (2)	100-5369	200 @ 2600	87	---
(B)	7E6193 (1)	7E6396	215 @ 2600	94	---
	7E6193 (1)	7E6396	215 @ 2600	94	---
(C)	7E6193 (1)	7E6396	250 @ 2600	110	---
(D)	7E6193 (1)	7E6396	275 @ 2450	125	---

(1) Basic Fuel Pump 4P2995
(2) Basic Fuel Pump 1071233

(Reference Page No. 16.04-0403FZD-1).
Revisions No. 1 18 MAY 93
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1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer Caterpillar Inc. Engine Family PCT0403FZDX

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(1) Basic Fuel Pump 4P2995 (Reference Page No. 16.04-0403FZD-1).
(2) Basic Fuel Pump 1071233 Revisions No. 1 18 MAY 93

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