

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-76

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. 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

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
RCP638EZDARA	10.5 (638)	Turbocharger Charge Air Cooler Smoke Puff Limiter

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:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
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:

<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
RCP638EZDARA	0.5	0.8	5.0	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.).

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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 and attachments.

Executed at El Monte, California this 25th day of October, 1993.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer Caterpillar Inc. Engine Family RCP638EZDARA

Liter (CID) 10.5 (638) Fuel Type #2 DIESEL Engine Config. 16

Exhaust ECS & Special Features (ECM/PCM, PTOX, IFI, etc.) SPL , TC, CAC

(Use abbreviations per SAE J1930 MAY 91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm ³ /stroke (lbs/hr)	Fuel Pump & Injector P/N	ECM/PCM P/N	Part. Trap/ Catalyst P/N
A	300 @ 1900	183 (117.1)	1107445 (1) 1007564 (2)	---	---

- (1) Fuel Pump Part No.
(2) Fuel Injector Part No.

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer Caterpillar Inc. Engine Family RCP638EZDARA

Liter (CID) 10.5 (638) Fuel Type #2 DIESEL Engine Config. I6

Exhaust ECS & Special Features (ECM/PCM, PTOX, IFI, etc.) SPL, TC, CAC

(Use abbreviations per SAE J1930 MAY 91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm ³ /stroke (lbs/hr)	Fuel Pump & Injector P/N	ECM/PCM P/N	Part. Trap/ Catalyst P/N
A	300 @ 1900	183 (117.1)	1107445 (1) 1007564 (2)	----	---
B	300 @ 1900	183 (117.1)	1107445 (1) 1193842 (1) 1007564 (2)	----	----

- (1) Fuel Pump Part No.
(2) Fuel Injector Part No.

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