

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-84

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 1995 model-year Caterpillar, Inc. diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
SCP629EZDARK	10.3 (629)	Turbocharger Charge Air Cooler Engine Control Module

Engine models and codes are listed on attachments.

The following are the certification exhaust 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 exhaust 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>
SCP629EZDARK	0.1	1.5	4.6	0.07

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.).

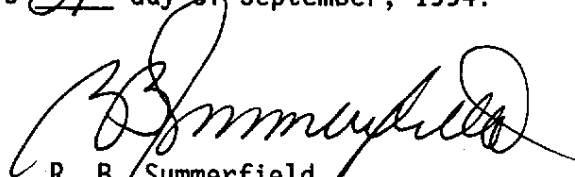
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Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 27th day of September, 1994.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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

Manufacturer Caterpillar Inc. Engine Family SCP629EZDARK
 Displacement 10.3 / Liters 629 / Cubic Inches
 Maximum Rated Power: 365 HP @ 1800 RPM Engine Configuration: I6
 Ignition: Compression X Compression with Glow Plug _____ Spark _____
 Fuel Type (s): Dedicated _____ Flex-Fuel _____ Dual-Fuel _____ Diesel X M100 _____ M85 _____
 CNG _____ LNG _____ LPG _____ Other (specify) _____
 Diesel Cert Fuel: 13CCR 2282 _____ 40 CFR 86.1313-90 _____ 40 CFR 86.1313-94 X
 Primary Intended Service Class: LHD _____ MHD _____ HHD X Urban Bus _____
 Exhaust ECS (incl. MFI, TC, CAC) CAC, ECM, TC

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.
A	275 @ 1800	148 (89.7)	1062266	1105867 1122194 1164241	---	---
B	300 @ 1800	162 (98.2)	1062277	1105870 1122191 1164253	---	---
C	325 @ 1800	178 (107.5)	1062277	1053192 1122188 1164270	---	---
D	350 @ 1800	191 (115.7)	1062288	1053194 1122185 1164292 1193671	---	---
E	365 @ 1800	197 (119.5)	1062288	1131844 1145557 1164304	---	---
E	335 @ 1800	180 (109.0)	1062288	1167841	---	---
F	342 @ 1800	180 (108.7)	1062288	1145550 1164316	---	---

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