State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-18-1
Relating to Certification of New Motor Vehicle Engines

CATERPILLAR TRACTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100 and 43102 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 Caterpillar Tractor Company 1977 model-year diesel-powered engines in heavy-duty motor vehicles are certified for the engine family described below:

Engine Family	Engine Size (CID)	Engine Model	Type
13	636	3208	V-8 - Natural Aspiration - Exhaust Gas Recirculation

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

Engine Family	$HC + NO_2$ gm/bhp-hr	CO gm/bhp-hr	HC gm/bhp-hr	NO_2 gm/bhp-hr
13	Not Applicable	5	0.5	4.7

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 2 day of September, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

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Engine Family 13 Engine (CID) 686

Emission Control Systems EGR Type NA

Engine Model	Fuel Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP	Basic Initial Timing
3208	Caterpillar Tractor 9N2421	Stanadyne 9L6969 9N3700 9N3299	200 HP @ 2800 RPM	63 mm^3/stroke 79.6 lbs/hr	16° BTDC (static)

Comments

EGR Control Group Part Number: 9N2300 (not identified on part; see certification engineer).

Date of Issue October 29,1976; Rev. 111676 (correct injector mfg.)
P/N 9N3700 added 5-25-77 RC 77-13-1N. P/N 9N3299 added 7-11-77 RC 77-13-3R

Abbreviation

Type
NA - Natural Aspiration
TC - Turbocharged
TCA- Turbocharged and Aftercooled

Emission Control Systems
EGR - Exhaust gas recirculation