L. C. Rose

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-103
Relating to Certification of New Motor Vehicle Engines

GENERAL MOTORS CORPORATION

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 General Motors Corporation 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
8V-71TAE	568	8V-71TAE	V-8 Turbocharged and aftercooled

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 + NOx gm/bhp-hr	CO gm/bhp-hr	HC gm/bhp-hr	NOx gm/bhp-hr
8V-71TAE		2	0.5	6.2

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 20 day of December, 1976.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

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

Manufacturer General Motors Corporation Executive Order No. A-6-103 Page 1

Engine Family 8V-71TAE Engine (CID) 568

Emission Control Systems Throttle Delay & Aftercooler Type TCA

Engine Model	Fuel Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP(1)	Basic Initial Timing °BTC
8V-71TAE	Not Applicable	7A50 GMC 5229690	228 @ 2100	50.8	4
		7A55 GMC 5229685	246 @ 2100	54.3	4
		7A60 GMC 5229680	262 @ 2100	57.4	5
		7A65 GMC 5229665	308 @ 2100	67.1	5
		7A70 GMC 5229670	335 @ 2100	72.1	5
		7A75 GMC 5229675	350 @ 2100	75.6	5
		7A75 GMC 5229675	305 @ 1900	69.6*	5

Comments

(1) Cubic millimeters per stroke

*Fuel/cycle at 305 HP @ 1900 RPM.

Date of Issue

Abbreviation

Type

NA - Natural Aspiration

TC - Turbocharged

TCA- Turbocharged and Aftercooled