State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-159
Relating to Certification of New Motor Vehicle Engines

GENERAL MOTORS CORPORATION

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 General Motors Corporation 1979 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
6V-53T	318	Fuel Modulator

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
6V-53T	0.9	2	7.0

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

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

Executed at El Monte, California this 6th day of September, 1979.

K. D. Drachand, Acting Chief
Mobile Source Control Division

E.O. #A-6 - 159

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

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Engine Family 6V-53T Engine (CID) 318

Emission Control Systems FM Type TC

Engine Model	Fuel Injection Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm^3/stroke	Basic Initial Timing
6V-53T	None See page 2 for tune-up label text.	5A50 GMC 5229920	225 @ 2600	53.2	8

Date of Issue - 090779.

Abbreviations

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

Emission Control Systems
AC - Aftercooler
EGR - Exhaust Gas Recirculation
TD - Throttle Delay
FM - Fuel Modulator

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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6V-53T ENGINE FAMILY:

ENGINE EXHAUST EMISSION CONTROL INFORMATION
THIS ENGINE CONFORMS TO U.S. EPA AND
CALIFORNIA REGULATIONS APPLICABLE TO 1979
MODEL YEAR HEAVY-DUTY DIESEL ENGINES.
ENGINE FAMILY/MODEL 6V-53T CID 318
MIN. IDLE 600 RPM; ADV HP 225 @ 2600 RPM
FUEL RATE AT ADVERTISED HP 53.2 MM 3/STROKE
INITIAL INJECTION TIMING 8 DEG. BTC
VALVE LASH .026 INCHES; MFG. DATE:
GENERAL MOTORS CORPORATION
CONFORMS TO AUSTRALIAN DESIGN RULE 30

Issued: 090779.