

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-735

Relating to Certification of New Heavy-Duty 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-45-9;

IT IS ORDERED AND RESOLVED: That the following 1996 model-year General Motors Corporation Otto-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

<u>Fuel Type:</u>	Gasoline		
<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems and Special Features</u>
TGM7.0C5GAAA	6.0 & 7.0 (366 & 427)		Oxidation Catalytic Converter Oxygen Sensor Exhaust Gas Recirculation Throttle Body Fuel Injection
TGM7.4C5GAEA	7.4 (454)		Three-Way Catalytic Converter Oxygen Sensor Exhaust Gas Recirculation Throttle Body Fuel Injection

Engine models and codes are listed on attachments.

The certification exhaust emission standards for these engine families in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.9	37.1	5.0

The certification exhaust emission values for these engine families in grams per brake horsepower-hour are:

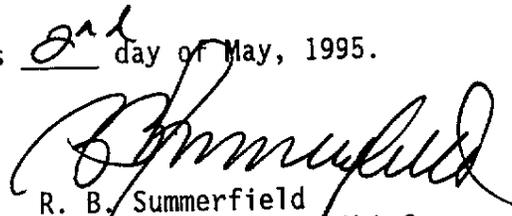
<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
TGM7.0C5GAAA	1.4	18.7	4.2
TGM7.4C5GAEA	0.4	6.8	4.2

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.).

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 2<sup>nd</sup> day of May, 1995.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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17.00.00.00-13  
(1996)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY GASOLINE ENGINES

GREATER THAN 14,000 GVWR

Manufacturer: General Motors Corporation

Executive Order No.: A-6-735

Engine Family: TGM07.0C5GAAA

Exhaust Emission Control System: EGR/OC/O2S/TBI

Liter (CID): 7.0 (427), 6.0 (366)

Engine Config: V8

ENG MODEL (ENG CODE)	MAXIMUM RATED HP AT RPM	RATED TORQUE AT RPM	IGNITION SYS (ECM) MFR PART NO.	FUEL SYSTEM (TBI) MFR PART NO.	EGR VALVE MFR PART NO.	CATALYST MFR PART NO.
LS0 (1) 6.0L	210 @ 4000	325 @ 2400	16213365 16213375 16213385 16213455	Rochester 17091129	17090002	25131438
LR0 (2) 7.0L	235 @ 3800	385 @ 2400	16213405 16213415 16213425 16213435 16213445			

ISSUED: 03-22-95

REV. NO.:

(FOR CARB USE ONLY)

17.00.00.00-14  
(1996)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY GASOLINE ENGINES

GREATER THAN 14,000 GVWR

Manufacturer: General Motors Corporation

Executive Order No.: A-6-735

Engine Family: TGM7.4C5GAEA

Exhaust Emission Control System: EGR/TWC/O2S/TBI

Liter (CID): 7.4 (454)

Engine Config: V8

ENG MODEL (ENG CODE)	MAXIMUM RATED HP AT RPM	RATED TORQUE AT RPM	IGNITION SYS (PCM) MFR PART NO.	FUEL SYSTEM (TBI) MFR PART NO.	EGR VALVE MFR PART NO.	CATALYST MFR PART NO.
L19 (2) 7.4L	230 @ 3600	385 @ 2200	16209495 16209505 16209515	Rochester 17094060 17094071	17094028	25143848

ISSUED: 03-22-95

REV. NO.: