

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-263  
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 1983 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
DGMO426FWF9	426 (7.0)	Aftercooler Throttle Delay (Turbocharged)
DGMO8.2DAB3	500 (8.2)	Engine Modification
DGMO8.2EAB6	500 (8.2)	Engine Modification (Turbocharged)

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:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
DGMO426FWF9	0.8	3	6.0
DGMO8.2DAB3	0.6	3	5.6
DGMO8.2EAB6	0.5	2	5.6

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

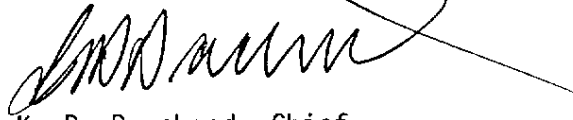
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Engines certified under this Executive Order must conform to all applicable California emission regulations.

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

Executed at El Monte, California this 22<sup>nd</sup> day of November, 1982.



K. D. Drachand, Chief  
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION Page 1  
 Engine Family DGMO426FWF9 CID (Liter)-Type 426 (7.0) - L6  
 ECS (Special Features) Throttle Delay and Aftercooler (Turbocharged)

Engine Model (Engine Code)	Fuel Injection Pump Mfr.  Part Number	Injector Mfr.  Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
6L-71TA	NA	7G65 5229895	235 @ 2100	69.5	8924743
		7G70 5229900	250 @ 2100	73.6	
		7G75 5229905	270 @ 2100	79.3	
		7G75 5229905 Constant Power	180 @ 1800 min.	60.8	

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION Page # 2  
 Engine Family DGM08.2DAB3 CID (Liter)-Type 500 (8.2) - V8  
 ECS (Special Features) \_\_\_\_\_ Engine Modification \_\_\_\_\_

Engine Model (Engine Code)	Fuel Injection Pump Mfr.  Part Number	Injector Mfr.  Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
V8-8.2	NA	4A53 GMC 5229850	165 @ 3000	52.5	8924746
		4A53 GMC 5229850	165 @ 2800	54.1	8924746

Date of Issue: 10-25-82

Rev.: 01-04-83; added label identification.  
001; updated specifications for derated engine -  
1983 R/C #9 (MH-3R010).

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION Page 3  
 Engine Family DGM08.2EAB6 CID (Liter)-Type 500 (8.2) - V8  
 ECS (Special Features) \_\_\_\_\_ Engine Modification (Turbocharged)

Engine Model (Engine Code)	Fuel Injection Pump Mfr.  Part Number	Injector Mfr.  Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
V8-8.2T	NA	4C65 GMC 5229915	205 @ 3000	64.9	8924748
		4C65 GMC 5229915	200 @ 2800	64.9	8924748

Date of Issue: 10-25-82

Rev.: 01-04-83; added label identification.  
001; added derated engine information - 1983 R/C #10  
(MH-3R011).