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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-187

Relating to Certification of New Heavy-Duty Engines and Vehicles

DAIMLER-BENZ AG

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 1999 model-year Daimler-Benz AG diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

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<u>Engine Family</u>	Engine	Displacement	Exhaust Emission Control
	<u>Liters</u>	(Cubic Inches)	Systems and Special Features
XMBXH4.25DJA	4.2	(258)	Turbocharger Charge Air Cooler Engine Control Module

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

Total	Carbon	Nitrogen	<u>Particulates</u>		
<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>			
1.3	15.5	4.0	0.10		

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Total <u>Hydrocarbons</u>			<u>Particulates</u>		
0.4	1.1	3.8	0.09		

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.). .

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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 attachments. μ

Executed at El Monte, California this $\frac{20^{+}}{20^{-}}$ day of October 1998.

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R. B. Summerfield, Chief Mobile Source Operations Division

LARGE ENGINE MODEL SUMMARY

EO: A-3-187

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DAIMLER-BENZ

Manufacturer:

EPA Engine Family: XMBXH4.25D/A

Manufacturer Family Name: <u>N/A</u>

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Emission Control Device Per SAE J1930		TC, ECM, CAC	TC. ECM, CAC							
Fuel Rate: (lbs/hr) @ max rated torque		47.5	507							
Fuel Rate: mm/stroke @ max rated torque		154		133						
Torque @ RPM (SAE Gross)			D.20 @ 1400	520@1500						
Fuel Rate: lbs/hr @ rated speed (for diesel only)			68.1	66.1						
Fuel Rate: mm/stroke @ rated speed ffor diesel only)			134	130						
BHP @ RPM (SAE Gross)			100 @ 2300	180 @ 2300						
	Engine Mouer		OM 004 1 190 @ 2300	OW 904 LA 170 2300						
	Engine Code			Code I	Code II					