File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER U-R-16-9

Relating to Certification of New Heavy-Duty Off-Road Equipment Engines

DAIMLER-BENZ

Pursuant to the authority vested in the Air Resources Board by Sections 43000.5, 43013 and 43018 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 Daimler-Benz 1998 model-year engine, with rated power between 175 and 750 horsepower, and exhaust emission control systems are certified as described below for use in heavy-duty off-road equipment:

Typical Equipment Usage: Crane, Loader, Harvester, Compressor

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
WMBXL6.37DJA	6.4	(388)	Turbocharger Engine Control Module Charge Air Cooler

Engine models and codes are listed on attachments. Production engines shall be in all material respects the same as those for which certification is granted.

The total hydrocarbons (THC), carbon monoxide (CO), nitrogen oxides (NOx), and particulate matter (PM) certification exhaust emission standards, in grams per brake horsepower-hour (g/bhp-hr), and the opacity of smoke emission standards, in percent (%), during acceleration (Accel), lugging (Lug), and peak (Peak) modes, for this engine family are (Title 13, California Code of Regulations, Section 2423):

Exhaust Emissions (g/bhp-hp)				Smoke Opaciity (%)		
THC	CO	NOx	PM	Accel	Lug	Peak
1.0	8.5	6.9	0.4	20	15	50

The THC, CO, NOx and PM exhaust emission certification values, in g/bhp-hr, and the opacity of smoke emission certification values, in percent (%), for this engine family are:

Exhaust Emissions (g/bhp-hr)				Smoke Opacity (%)		
THC	CO	NOx	PM	Accel	Lug	Peak
0.1	0.5	5.4	0.1	3	1	6

BE IT FURTHER RESOLVED: That the listed engine models comply with the "Exhaust Emission Standards and Test Procedures--Heavy-Duty Off-Road Diesel Cycle Engines" (Title 13, California Code of Regulations, Section 2423) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed engine models also comply with the "Emission Control Labels--1996 and Later Heavy-Duty Off-Road Diesel Cycle Engines" (Title 13, California Code of Regulations, Section 2424) for the aforementioned model year.

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 2425 et seq.).

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

Executed at El Monte, California this 16th day of July 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

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LARGE ENGINE MODEL SUMMARY

Manufacturer: *DAIMLER-BENZ* EO: U-R-16-9

EPA Engine Family: *WMBXL6.37DJA* Manufacturer Family Name: *N/A*

Engine Code	Engine Model	BHP @ RPM (SAE Gross)	Fuel Rate: mm/stroke @ rated speed (for diesel only)	Fuel Rate: lbs/hr @ rated speed (for diesel only)	Torque @ RPM (SAE Gross)	Fuel Rate: mm/stroke @ max rated torque	Fuel Rate: (lbs/hr) @ max rated torque	Emission Control Device Per SAE J1930
A. 50 State Codes								
906 LA.E1/1	OM 906 LA	275 @ 2300	137	102.8	811 @ 1200...1500	173	79.0	TC, ECM, CAC
906 LA.E1/2	OM 906 LA	228 @ 2300	107	80.8	664 @ 1200...1500	138	62.1	TC, ECM, CAC