State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-132-6
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

M.A.N. MASCHINENFABRIK AUGSBURG-NURNBERG 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-45-3;

IT IS ORDERED AND RESOLVED: That the following M.A.N. Maschinenfabrik Augsburg-Nurnberg AG 1988 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JMA11.4FPAO	11.4 (696)	Smoke Puff Limiter (Diesel Injection - Direct) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

The following are the emission standards for this engine family:

Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
1.3	15.5	6.0	0.60

The following are the certification emission values for this engine family:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
JMA11.4FPAO	0.6	3.4	3.9	0.57

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).

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 20th day of June, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. = A-13Z-6

198_ AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer MAN - Nutzfahrzeuge GmbH Page

Engine Family ~~D 2566 MLUM~~ (JMA 11.4 FPA 0) CID(Liter)-Type 11.413

ECS and (Special Features) DID; IC

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm^3/stroke	Label Ident.
D 2566 MLUM/CA	PES 6 P 120 A 720 LS 388	DLLA 31 S 915	305	166	-0090 + EPA-label
D 2566 MLH/CA	PES 6 P 120 A 720 LS 388	DLLA 31 S 915	305	166	-0114 + EPA-label
D 2566 MLUH/CA	PES 6 P 120 A 720 LS 388	DLLA 31 S 915	260	143	-0113 + EPA-label

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