State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-100
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

ISUZU MOTORS LIMITED

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 Isuzu Motors Limited 1992 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
NSZ0235FAAX	3.8 (235)	Indirect Diesel Injection Charge Air Cooler Turbocharger
NSZ0396FAB7	6.5 (396)	Powertrain Control Module Charge Air Cooler Turbocharger

Engine models and codes are listed on attachments.

The following are the certification emission standards for these engine families:

Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
1.3	15.5	5.0	0.25

The following are the certification emission values for these engine families:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
NSZ0235FAAX	0.3	0.8	4.0	0.19
NSZ0396FAB7	0.7	2.2	4.5	0.22

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the provisions of the Board's emission control system warranty regulations (California Health and Safety Code, Section 43205.5).

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 6th day of February, 1991

R.B. Summerfield
Assistant Division Chief
Mobile Source Division

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LHDD

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer ISUZU MOTORS LIMITED Engine Family NSZ0235FAAX

Liters (CID) 3.856 (235) Eng. Type L4

Emission Control Sys. & Special Features EM, IDI, TC, CAC
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke	Part Trap/ Catalyst Mfr. P/N
4BD2TC (FA-1)	ZEXEL CO. 8970461600 8970461610 8970106472 8970106482	ZEXEL CO. 8970254660	129 HP 3000 RPM	0.0760 cc/stroke	Not applicable

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1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

MHDD

Manufacturer ISUZU MOTORS LIMITED Engine Family NSZ0396FAB7

Liters (CID) 6.494 (396) Eng. Type L6

Emission Control Sys. & Special Features PCME, TC, CAC
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke	Part Trap/ Catalyst Mfr. P/N
6BG1X (FB-1)	ZEXEL CO. 1156027261	ZEXEL CO. 1153002742	197 HP 2800 RPM	0.0870 cc/stroke	Not applicable
6BG1XN (FB-2)	ZEXEL CO. 1156027281	ZEXEL CO. 1153002742	172 HP 2600 RPM	0.0812 cc/stroke	Not applicable
6BG1XNN (FB-3)	ZEXEL CO. 1156027301	ZEXEL CO. 1153002742	163 HP 2600 RPM	0.0784 cc/stroke	Not applicable

Revisions:
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