State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-31-40

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

HINO MOTORS, LTD.

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following engine and emission control system produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Model Year: 2001

Fuel Type: Diesel

Engine Family	Displacement Liters	Displacement Cubic Inches	Exhaust Emission Control Systems and Special Features
1HMXH08.0JTP	8.0	486	Turbocharger Charge Air Cooler Electronic Control Module Oxidation Catalytic Converter Direct Diesel Injection

Engine models and codes are listed on attachments.

BE IT ORDERED AND RESOLVED: That the following are the certification exhaust emission standards (Title 13, California Code of Regulations, Section 1956.8) and certification exhaust emission values for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP"):

	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulate Matter
Standard	1.3	15.5	4.0	0.10
Certification	0.4	1.0	3.6	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, Sections 2035 et seq.).

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 17TH day of January 2001.

FOR
R. B. Summerfield, Chief
Mobile Source Operations Division

ATTACHMENT

Engine Model Summary Form

A-31-40

Manufacturer: **Hino Motors, Ltd.**

Engine category: **On-highway HDDE**

EPA Engine Family: **1HMXH08.0JTP**

Mfr Family Name:

Process Code: **New Submission**

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
J08C-TP	J08C-TP	200@2500	92.0 +/- 4.0	75.1 +/- 3.3	456@1500	94.0 +/- 3.0	46.0 +/- 1.5	α, TC, CAC, ECM, ~~DDI~~
J08C-TU	J08C-TU	217@2500	103.0 +/- 4.0	84.1 +/- 3.3	492@1500	100.0 +/- 3.0	49.0 +/- 1.5	α, TC, CAC, ECM, DDI