EO Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-31-4
Relating to Certification of New Motor Vehicle Engines

HINO MOTORS, LTD.

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 Hino Motors, Ltd. 1978 model-year diesel-powered engines in heavy-duty motor vehicles with manufacturer's gross vehicle weight rating greater than 8500 pounds are certified for the engine family, codes and models described below:

Family	Engine Size (CID)	Type
EH	393	Inline 6, Naturally Aspirated.

Models and Engine Codes as listed in attachment.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

Engine Family	HC + NOx gm/bhp-hr	CO gm/bhp-hr	HC gm/bhp-hr	NOx gm/bhp-hr
EH	5	4	NA	NA

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 20 day of December, 1978.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

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Engine Family EH Engine (CID) 393

Emission Control Systems EM Type Inline 6, Naturally Aspirated

Engine Model	Fuel Injection Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm^3/Stroke	Basic Initial Timing °BTDC
EH700	Nippon Denso 190000-2790	Nippon Denso 093500-1880	150 @ 3000	61.7 ± 1.5	13

ENGINE EXHAUST EMISSION CONTROL INFORMATION

THIS ENGINE IS, IN ALL MATERIAL RESPECTS, OF SUBSTANTIALLY THE SAME CONSTRUCTION AS TEST ENGINES CERTIFIED BY CALIFORNIA AIR RESOURCES BOARD AS CONFORMING TO STATE REGULATIONS PERTAINING TO EXHAUST EMISSIONS.

NAME AND TRADEMARK OF MFR. : HINO MOTORS, LTD. Hino
ENGINE FAMILY IDENT. AND MODEL : EH/EH700
DATE OF MFR.: *
ENGINE SPECIFICATION
ADVERTISED HP :150HP @3000 R.P.M.
FUEL RATE @ADVERTISED HP:61.7±1.5MM^3/STROKE
VALVE LASH:0.012(SUC)0.016(EXH)INCHES
INTIAL INSPECTION TIMING(IF ADJUSTABLE)
13DEGREES BEFORE T.D.C.

THIS ENGINE CONFORMS TO U.S. ENVIRONMENTAL PROTECITION AGENCY AND STATE OF CALIFORNIA AIR RESOURCES BOARD REGULATIONS APPLICABLE TO 1978 MODEL YEAR HEAVY DUTY DIESEL ENGINES.

Comments

Date of Issue 121978

Abbreviations

Type
NA - Natural Aspiration
TC - Turbocharged
TCA - Turbocharged and Aftercooled

Emission Control Systems
AC - Aftercooler
EGR - Exhaust Gas Recirculation
TD - Throttle Delay