

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-80
Relating to Certification of New Motor Vehicle Engines

INTERNATIONAL HARVESTER COMPANY

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 International Harvester Company 1981 model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| BHC0345ABC8 | 344.96 (5.7) | Air Injection Pump Engine Modification |

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:

| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Carbon Monoxide gm/bhp-hr</u> | <u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|---|
| BHC0345ABC8 | 0.3 | 18 | 2.6 |

BE IT FURTHER RESOLVED: That International Harvester Company has provided to the Executive Officer 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 5th day of December, 1980.

K. D. Drachand
K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer International Harvester Executive Order No. A-4-80 Page 1
Co.
 Engine Family BHC0345ABC8 Evaporative Family -

ABBREVIATIONS Engine CID (Liters) 344.96 (5.7)

Ignition System

CA-Centrifugal Advance
 EEC-Electronic Engine Control
 EI-Electronic Ignition
 ESAC-Electronic Spark Advance
 Control
 VA-Vacuum Advance
 VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump
 AIV-Air Injection-Valve
 CL-Closed Loop
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 OC-Oxidation Catalyst System
 TR-Thermal Reactor
 TWC-Three Way Catalyst System

Special Features

CCV-Combustion
 Chamber Valve
 CFI-Central Fuel
 Injection
 DI-Diesel Injection
 EFI-Electronic
 Fuel Injection
 MFI-Mechanical Fuel
 Injection
 TC-Turbocharged

Fuel System

CFI, DI, EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

Manufacturer International Harvester Company Page 1A
 Engine Family (V-345C) BHC0345ABC8 CID (Liters) 344.96(5.7)V8 Eng. Code _____
 ECS(Special Features) AIP, (1) EM

| Engine Model (Engine Code) | Ignition System CA, EI | Fuel System 1-2V | EGR Valve | Label Ident. |
|-------------------------------|---|--|-------------|-----------------|
| | Mfgr. Part Number | Mfgr. Part Number | Part Number | |
| V-345C (Code 1) | Prestolite IDN4007 IH Part No. 484786-C91, C92 | Holley List 9072 List 9074 IH Part No. 1700420C91 170022C91 | NA | 1700957-C1 |

Date of Issue -

(1) Two pumps used in system.