State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-182
Relating to Certification of New Motor Vehicle Engines

KLOCKNER-HUMBOLDT-DEUTZ 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 Klockner-Humboldt-Deutz AG 1979 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
F5L912	288	Engine Modifications (Aircooled)

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:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
F5L912	1.3	5	7.3

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

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

Executed at El Monte, California this 7 day of February, 1979.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

E.O. #A -182-____

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Klockner-Humboldt-Deutz AG Page 1

Engine Family F5L912 Engine (CID) 288

Emission Control Systems - Type NA (Aircooled)

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
Code A	Bosch 223-3203-KY-0150-17 or 223-4137-KY-0150-17	Bosch 223-3085-KZ-0155-19	100 HP @ 2800 rpm	51 39.44 lb/hr	20° BTDC static

Date of Issue - 2-2-79

Abbreviations

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

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