State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-194
Relating to Certification of New Motor Vehicle Engines

IVECO

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 Iveco 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)
UNIC 8220	584	(Engine Modification)
FIAT VI 8300	494	(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:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
UNIC 8220	0.7	3	6.8
FIAT VI 8300	0.8	4	7.3

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 28 day of February, 1979.

G. C. Hass, Chief
Vehicle Emissions Control Division

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Engine Family see below Engine (CID) _____

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CCAV-Comb. Chamber Air Valve
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification

ESAC-Electronic Spark Advance Control
MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst (Feedback Control)
WOC-Warm-up Oxidation Catalyst

Engine Family	Model
UNIC 8220	8220.02.142
FIAT VI 8300	8360.05.673

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Engine Family UNIC - 8220

Engine (CID) 584

Emission Control Systems

Type NA

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
8220.02.142	Bosch PES6P 120A820 RS3058	Bosch Nozzle Assy. KBEL 106P 12/13 Nozzle DLLA 150P 36	200 @ 2600	90	11° BTDC

Date of Issue -

Abbreviations

Type

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

Emission Control Systems

AC - Aftercooler
EGR - Exhaust Gas Recirculation
TD - Throttle Delay

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Engine Family ~~Fiat VI-8300~~ Engine (CID) 494

Emission Control Systems Type NA

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
8360.05.673	Bosch PES6MW 1007720 RS1008	Bosch Nozzle Assy. KBEL 89S 16/4 Nozzle DLLA 150S 804	160 @ 2600	74.8	19° BTDC

Date of Issue -

Abbreviations

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

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