## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-4-133 Relating to Certification of New Heavy-Duty Motor Vehicle Engines

## NAVISTAR INTERNATIONAL TRANSPORTATION CORPORATION

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 Navistar International Transportation Corporation 1990 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Engine Family	Displacement <u>Family Liters (Cubic Inches)</u>		Exhaust Emission Control Systems (Special Features)		
LNV0466FPA6	7.6	(466)	Smoke Puff Limiter (Turbocharger) (Charge Air Cooler)		

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family:

Hydrocarbons gm/bhp-hr	Carbon Monoxide <u>gm/bhp-hr</u>	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
1.3	15.5	6.0	0.60

The following are the certification emission values for this engine family:

<u>Engine Family</u>	Hydrocarbons <u>gm/bhp-h</u> r	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides <u>am/bhp-hr</u>	Particulates <u>gm/bhp_hr</u>
LNV0466FPA6	0.7	3.4	4.8	0.40
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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 (Health and Safety Code Section 43205.5). NAVISTAR INTERNATIONAL TRANSPORTATION CORPORATION

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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  $\frac{28}{100}$  day of December, 1989.

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K. D. Drachand, Chief Mobile Source Division

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## 1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer	Navistar International Transportation Corp.	(DTA-466) Engine Family LNVO466FPA6
Liter (CID)	7.6 (466)	Engine Type Four Stroke, I-6
Emission Cont	rol System(s) TC), SPL, (CAC)	

Engine	Fuel	Injector	Maximum	Fuel Rate	Maximum	Fuel Rate
Model	Injection	Mfr.	Rated HP	mm <sup>3</sup> /stroke	Rated	mm <sup>3</sup> /stroke
	Pump Mfr.	Part Number	at RPM	(lbs/hr)	Torque	(lbs/hr)
	Part Number				at RPM	
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7045		_, _,				
E245	Robert Bosch	_	245 @ 2400	115.8	635 @	129.9
	1815268C91	1806407C91		(93.3)	1600	(69.4)
E220	Robert Bosch	Stanadyne	220 @ 2400	104.0	590 @	118.5
	1815224C91	1806407C91		(83.6)	1600	(63.5)
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Date of Issue

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