State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-42 Relating to Certification of New Motor Vehicle Heavy-Duty Engines

CATERPILLAR TRACTOR CO.

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 Caterpillar Tractor Co., 1985 model-year heavy-duty diesel engines have shown compliance with the optional transient standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

Engine Family	Displace Cubic Inches	ment (Liters)	Exhaust Emission Control Systems (Special Features)
FCT0893FPB8	893	(14.6)	Engine Modifications (Air Fuel Controller) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
FCT0893FPB8	0.28	2.4	5.1

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations including the intercooler used in the turbocharger system (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.

Executed at El Monte, California this ______ day of October, 1985.

K. D. Drachand, Chief Mobile Source Division

198_AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer	Caterpillar Tractor	Co.		Page	_1			
Engine Family FCT0893FPB8 CID(Liter)-Type 893 (14.6)								
ECS and (Special Features) EM (TC, IC)								
Engine Model	Fuel Injection Pump	Injector	Maximum Rated HP	Fuel Rate	Label Ident. ·			
	Mfr.	Mfr.	and RPM	Maximum HP				
	Part Number	Part Number		mm ³ /stroke				
3406 Code D	4W2551	4W7017	310@1800	173 mm ³				
	Schwitzer Turbocharger 7C0455		285@1600	178 mm ³				
3406 Code E	7L0007		400@2100	203 mm ³				
		ł	400@1800	223 mm ³				
			370@1800	207 mm ³				
	Airesearch Turbocharger 7W9472		360@1700	212 mm ³				
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