(Page 1 of 2)

#### State of California AIR RESOURCES BOARD

### EXECUTIVE ORDER A-13-36 Relating to Certification of New Motor Vehicle 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. 1984 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:

<u>Engine Family</u> ECT0893FPA8	Displacement <u>Cubic Inches (Liters)</u>		Exhaust Emission Control System (Special Features)		
	893	(14.6)	Engine Modification (Aftercooler) (Air Fuel Ratio Control) (Diesel Injection - Direct) (Turbocharger)		

Engine models and codes are 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
······································	0.4	2.4	5.0
ECT0893FPA8	U a t		

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 (Title 13, California Administrative Code, Section 2036). CATERPILLAR TRACTOR CO.

EXECUTIVE ORDER A-13-36 (Page 2 of 2)

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  $27^{17}$ 

day of September, 1983.

K. D. Drachand, Chief Mobile Source Division

# 1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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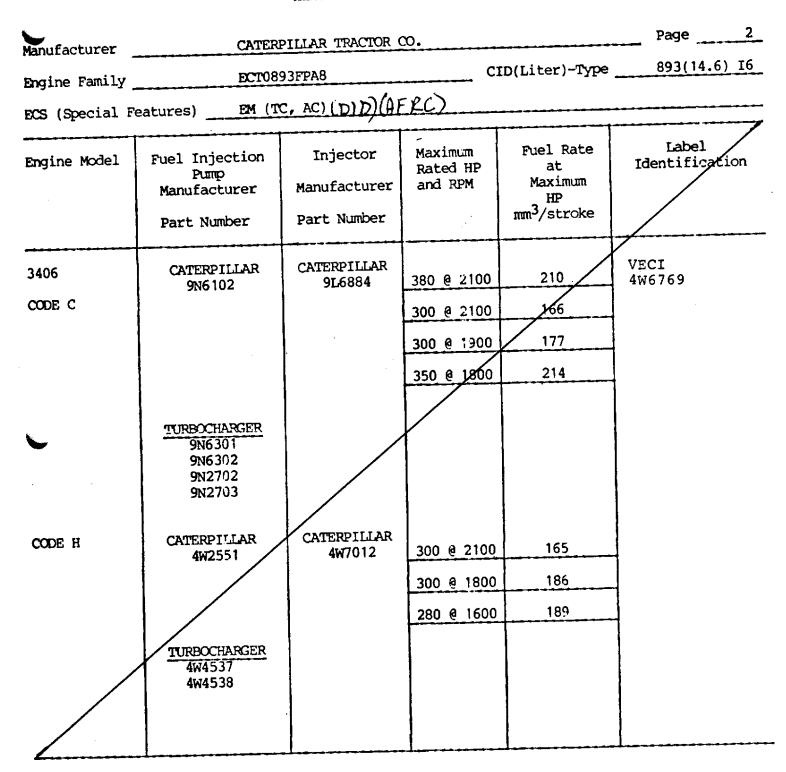
				•			
Manufacturer <u>Caterp</u>	illar	Executive O	Irder No. 2	A-13-3	6	Page	1
Engine Family	93FPA8	Evaporative	Family _1	N/A		_	
		Engine CID	(Liters) _	893	(14.6)		
ABBREVIATIONS							
Ignition System CA-Centrifugal Advanc EEC-Electronic Engine EI-Electronic Ignitio ESAC-Electronic Spark Control VA-Vacuum Advance VR-Vacuum Retard <u>Fuel System</u> CFI, CL, DID, DIP, EF nV-nVenturi Carbureto VV-Variable Venturi	Control n Advance	Exhaust Emi AIP-Air Inj AIV-Air Inj CL-Closed L EGR-Exhaust EM-Engine M OC-Oxidatio TR-Thermal TWC-Three W	ection-Pun ection-Val cop Gas Recin dodification Catalyst Reactor	mp lve rculati on t Syste	on m em	CFI-Centra Inject DID-Diese Inject Direct DIP-Diese Inject Precha	tion Pr Valve Truel tion tion- tion- tion- tion- tion- tion- tion- tion- tion- tion- tion-
$\sim$	Engine Fami	<u>1y</u>	Engine M	<u>Aodel</u>			
	ECT0893FPA8	1	3406-Cod 3406-Cod				
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1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES



Date of Issue - 09/22/83 Revised - 10/20/83

**-**G/95.8 ksh

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1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

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Manufacturor	CATERI	Page 3			
	ECT089	893(14.6) I6			
	eatures)EM (T				
Engine Model	Fuel Injection Pump Manufacturer Part Number	Injector Manufacturer Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Identification
3406 CODE J	CATERPILLAR 7L0007	CATERPILLAR 4W7012	400 @ 2100 400 @ 1800 380 @ 1800	238	VECI 4w6769
	TURBOCHARGER 4W5188 4W5189		360 @ 1800 340 @ 1700		

Date of Issue - 09/22/83 Revised - 10/20/83

GWG/100.11 ksh

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E.O. #A-13-36

## 1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

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Manufacturer	CATERPILLAR TRACTOR CO.				Page 4	
	ECT0893FPA8 CID(Liter)-Typ			D(Liter)-Type	e 893(14.6) I6	
ECS (Special F	eatures) <u>EM (T</u>	C, AC) (DIP, AFR	<u>(c)</u>			
Engine Model	Fuel Injection Pump Manufacturer Part Number	Injector Manufacturer Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Identification	
CODE H	CATERPILLAR 4W2551	CATERPILLAR 4W7012	300 @ 2100	165	VEC1 4W6769	
			300 @ 1800	186		
			280 @ 1600	189		
	TURBOCHARGER 4W4537 4W4538					
3406	CATERPILLAR 7L0007	CATERPILLAR 4W7012	400 @ 2100	205	VECI 4w6769	
CODE J			400 @ 1800	238		
			380 @ 1800	221		
:			360 @ 1800	210		
			340 @ 1700	211	4	
	TURBOCHARGER 4W5188 4W5189					
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Date of Issue - 10/20/83 Revised -

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