State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-13-30 Relating to Certification of New Motor Vehicle Engines

CATERPILLAR TRACTOR COMPANY

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 Company 1980 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)
13 14 16-Code C	636 638 893	Exhaust Gas Recirculation (Turbocharged, Aftercooled) (Turbocharged, Aftercooled)

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	Hydrocarbons + Nitrogen Oxides gm/bhp-hr
13	0.6	6	5.4
14	0.2	2	5.4
16-Code C	0.4	2	4.5

BE IT FURTHER RESOLVED: That Caterpillar Tractor Company has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Adminstrative 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 and attachment.

Executed at El Monte, California this _

day of December, 1979.

K. D. Drachand, Acting Chief Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer <u>Caterpillar Tractor Company</u> Executive Order No. <u>A-13-30</u> Page <u>1</u>

Engine Family	Engine Model		
13	3208		
14 16-Code C	3306 3406		

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer Caterpillar Tractor Company Engine Family 13 CID-Type			Page	2	
			ID-Type	636-V8	
ECS(Special Fea	atures <u>) Exhaus</u> i	t Gas Recirculat	ion		
Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum ^{3HP} mm ³ /stroke	Label Ident.
3208	Caterpillar Cat 9N2431 or 9N3 9N5178	Caterpillar 9N3979	200 @ 2800	63	9N6034
			175 @ 2800	54	
					
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Date of Issue - 11-29-79

E.O. #A -13-36	n
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1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer_	Caterpillar Tracto	or Company		Page	3	
Engine Family_	14		CID-Type 638	-16		
ECS(Special Fe	atures <u>) Engine M</u>					
Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm ³ /stroke	Label Ident.	
3306	Caterpillar 9N2885 9N2886	Caterpillar 9N2845	270 @ 2200 270 @ 2100* 245 @ 2200	148 154* 134	9N6O34	

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1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer_	Caterpillar Tra	actor Company		Page_ 4	
Engine Family	16-Code C		CID-Type 8	·	
ECS (Special Fo	eatures <u>)</u> Engine Mo				
Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum 3HP mm ³ /stroke	Label Ident.
3406	Caterpillar 9N6355	Caterpillar 9L6884	380 @ 2100	210	9N6O35
			300 @ 2100	166	
			300 @ 1900	177	

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