Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 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-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)						
2003	3X9XL0359ABE	5.9	Diesel	8000						
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION							
Direct Dies	el Injection, Turbocharg Powertrain Control I	er, Charge Air Cooler, Iodule	Loader, Tractor, Dozer, Pump, Compressor							

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

POWER	EMISSION STANDARD			1	EXHAUST (g/kw-ł		OPACITY (%)				
CLASS	CATEGORY		нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK	
130 <u><</u> kW < 225	Tier 2	STD	N/A	N/A	6.6	3.5	0.20	20	15	50	
		CERT			5.7	0.6	0.10	18	2	35	

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ______ 3/#___ day of December 2002.

Paplael Si

Allen Lyons, Chief Mobile Source Operations Division

Engine Model Summary Form ATTACHARNE P. (aPI

Ul-C-011 - 0076

CNH Engine Corporation Manufacturer:

Engine category: Nonroad Over 50 Hp

EPA Engine Family 3X9XL0359ABE Mir Family Name: D403

Process Code: New Submission

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8.Fuel Rate: 9.Emission Control (Ibs/hr)@peak torque Device Per SAF.11930	T, PCM, TC, CAC	PCM, TC, CAC	PCM. TC, CAC										
8.Fuel Rate; (lbs/hr)@peak torque	71.6 25	1 1.0	42.7	40 MA									
7.Fitel Rate: mvStroke@peak torque	142	93 94	90										
6.Torque @ RPM (SEA Gross)	730@1500	486@1400 461@1400	443@1400										
5.Fuel Rate: (Bs/hr) @ peak HP (for desets only)	88.5	65.5 62.3	56.1										No. 14 No. 4 No. 4 No. 4 No. 14 No. 4
4.1 tuel Rate: mitVstroke (#) poak ER (for diesel only)	105 00	90								and a second			
3.DHP@HPM (SAE Gross)	240@2500 190@2200	179@2150	153@1950			te dat dat da an anda Maria							
2.Engine Model	6TAA-5904	6TAA-5904	61AA-5904	and the second se									
1.Engine Code	8192;FR91140	8192;ER91141	0192,FH91142	and a second reaction of the second reaction									

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