State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-108-23
Relating to Certification of New Heavy-Duty Engines and Vehicles

DEERE POWER SYSTEMS GROUP OF DEERE & COMPANY

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following engine and exhaust emission control system produced by the manufacturer are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Model Year: 2001

Fuel Type: Compressed Natural Gas (CNG)

Engine Family	Displacement Liters	Displacement Cubic Inches	Exhaust Emission Control Systems and Special Features
1JDXH08.1002 (450CNG(B))	8.1	497	Throttle Body Injection Engine Control Module Oxygen Sensor Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

BE IT FURTHER RESOLVED: That the following are the certification exhaust emission standards (Title 13, California Code of Regulations, Section 1956.8) and certification exhaust emission values for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP"):

	Non-Methane Hydrocarbons	Carbon Monoxide	Oxides of Nitrogen	Particulate Matter
Standard	1.2	15.5	4.0	0.10
Certification	0.4	2.2	2.6	0.05

BE IT FURTHER RESOLVED: That the listed engine models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" (Title 13, California Code of Regulations, Section 1965).

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 (Title 13, California Code of Regulations, Sections 2035 et seq.).

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 24th day of January 2001.

R. B. Summerfield, Chief
Mobile Source Operations Division

ATTACHMENT

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Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.I Dev
1JDXH08.1004	6081HFN03C	6081H	250@2200		84@2200	800@1350		64@1350	
~~1JDXH08.1004~~	~~6081HFN03D~~	~~6081H~~	~~250@2200~~		~~84@2200~~	~~745@1350~~		64@1350	
1JDXH08.1002	6081HFN03A	6081H	250@2200		84@2200	800@1350		64@1350	
1JDXH08.1002	6081HFN03B	6081H	250@2200		84@2200	745@1350		64@1350	
1JDXH06.8003	6068HFN50A	6068T	225@2400		76@2400	640@1500		63@1500	
1JDXH06.8005	6068HFN50B	6068T	225@2400		76@2400	640@1500		63@1500	
1JDXH08.1002	6081HFN01B	6081H	250@2200		84@2200	745@1350		64@1350	
1JDXH08.1004	6081HFN01C	6081H	250@2200		84@2200	800@1350		64@1350	
~~1JDXH08.1004~~	~~6081HFN01D~~	~~6081H~~	~~250@2200~~		~~84@2200~~	~~745@1350~~		~~64@1350~~	

Emission Control System

TBI, O2S, TC, CAC, ECM (All models)