California Environmental Protection Agency	DEERE POWER SYSTEMS GROUP OF DEERE & COMPANY	EXECUTIVE ORDER U-R-004-0130 New Off-Road Compression-1gnition Engines
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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 engines and emission control systems 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)
2002	2JDXL06.8048	6.8	Diesel	8000
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT	APPLICATION
Direct D	iesel Injection, Electron Turbocharger, Charge	ic Control Module, Air Cooler	Pump, Compressor, Generator S	et, Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, 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):

RATED	EMISSION			I	EXHAUST (g/kw-ł	ır)		OF	PACITY (%	6)
POWER CLASS	STANDARD CATEGORY		HC	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
75 <u><</u> KW <130	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
		FEL	-	6.4	-	-	-	-	-	-
		CERT	-	5.7	-	-	-	8	2	20

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

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 ______ day of July 2002.

Allen Lyons, Chief Mobile Source Operations Division

Engine
Model (
Summary
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Engine category: Manufacturer:

Deere Power Systems Group of Deere and

ATTACHMENT I OF I

EO# 4-R-004-0130

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		00001	4/0.000001400	61.UZ@Z4UV	113.10@2400	172.99@2400	4045H	4045HF475A
	200.81@1400	120.35@1400	629.61@1400	59.26@2100	83.70@2100	172.99@2100	۴ء ا H8909	6068HF475A
9.Emission Control Device Per SAE J1930	ē		6. Torque @ RPM (SEA Gross)	_ 2	Ť	3.BHP@RPM (SAE Gross)	2.Engine Model ()	1.Engine Code
							New Submission	Process Code:
							350HG	Mfr Family Name:
							2JDXL06.8048	EPA Engine Famly.
							Nonroad Cl	Engine category:

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Engine Model Summary Template

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Return to Template	plate	Eng	ine Model S	Engine Model Summary Template	plate		Attach	Attachment 107 1
		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: 9.l (lbs/hr)@peak torque Dev
		6068H	172.99@2100	83.70@2100	59.26@2100	629.61@1400	120.35@1400	56.81@1400 1
		6060L	374 01@3400	119 70@2400	96.78@2400	843.27@1400	160.86@1400	٦ 75.90@1400
2JDXL06.8049	6068HF475B		214.201					15 30@ 1400]
2JDXL06.8049	4045HF475A	4045H	172.99@2400	114.00@2400	61.55@2400	4/5.66@1400	0041@2.041	
2JDXL06.8049	6068HF475C	6068H	274.91@2400	117.90@2400	95.46@2400	755.90@1400	145@1400	00+1/00+0.00
	6068HF475D	H8909	250.77@2200	115.60@2200	85.76@2200	755.90@1400	145.2@1400	68.56@1400
		НВЯЛЯ	159.58@2200	113.70@2200	56.26@2200	475.66@1400	139.9@1400	44.05@1400 [¬]
		НВЯЛЯ	265 52@2400	113.30@2400	91.71@2400	659.29@1800	127.2@1800	77.16@1800
		anders and the descent of the second seco			00 10@0100	608 38/m1800	133.4@1800	80.93@1800
2JDXL06.8049	6068HH055	H8909	278.93@2400	121.10@2400	90.10@4400		And the second	лана с лание на селото се от селото на представа на селото на селото се от селото се от селото с лание с лание
2JDXL06.8049	4045HF475C	4045H	191.77@1800	163.60@1800	66.20@1800	ner oor wordt a samer - wolgen ger der men ander - samer - samer - se der het sladen van der de stellen so	イント・中学 だんかくがい こうちょうかいかい あんか ほんな 副手をなから ちゅうかい くろい	
2JDXL06.8049	6068HF475E	6068H	313.80@1800	175.00@1800	106.26@1800	- manalana vya veza energen yw naw yw naw gangalana a wy naw yw naw ana ana kanalana	n A den i de de degen avez i na a da nombro a generalezza de vinen di antendo	الله من المناطقة المن المن المن المناطقة مستعلماتها اللها (من ما يعتمون ما المناطقة من المناطقة الما المن الم ال

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Part Number Summary Template

						Electronic Control	After Treatment Smoke Puff	Smoke Puff	Sensor Assemb	sembl
Engine Family	Engine Code	Engine Model	Injection Pump	Injector	Turbo Charge	Module	Device (Specify)	Limiter	Description Part N	Part
2 IDXI 06 8048	6068HF475A	6068H	RE507959	RE507860	RE516963	RE508774			- iming sync	ק ו 1 ח
	6068HE475R	6068H	RE507959	RE507860	RE518624	RE508774			Timing sync	RE
	6068HH054	6068H	RE507959	RE507860	RE509910	R516571RE5087	7		ECS ECT Fuel	! RE
2 IDXI 06 8049	4045HF475A	4045H	RE507959	RE507860	RE517236	R516650RE5087	7		ECS ECT Fuel	! RE
	6068HF475C	6068H	RE507959	RE507860	RE517239	R516469RE5087	7		ECS ECT Fuel	: R
	6068HE475D	6068H	RE507959	RE507860	RE517239	R516470RE5087	17		ECS ECT Fuel	!R
3 1741 18 8049	4045HE475B	6068H	RE507959	RE507860	RE517236	R516474RE5087	37		ECS ECT Fuel	
	6068HH055	6068H	RE507959	RE507860	RE509910	R516403RE5087	37		ECS ECT Fuel	
	4045HE475C	4045H	RE507959	RE507860	RE517236	R516475RE5087	37		ECS ECT Fuel	:RE
2JDXL06.8049	6068HF475E	6068H	RE507959	RE507860	RE517239	R516471RE5087	37		ECS ECT Fuel	¦ R