

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)
2007	7JDXL02.9088	2.9	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Smoke Puff Limiter			Tractor, Other 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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
37 ≤ kW < 75	Tier 2	STD	N/A	N/A	7.5	5.0	0.40	20	15	50
		FEL	-	-	6.8	-	-	-	-	-
		CERT	-	-	6.5	1.6	0.30	8	2	25

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 20 day of December 2006.



Annette Hebert, Chief
 Mobile Source Operations Division

003/007

11/29/2006 WED 8:58 FAX 3192928312 John Deere PEC LEVEL 1

Engine Model Summary Form

Manufacturer: John Deere Power Systems of Deere and
 Engine category: Nonroad CI
 EPA Engine Family: 7JDXL02.9088
 Mfr Family Name: 320TC
 Proc : New Submission

Attachment
 E0#u-R-004-0281

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke @ peak (for diesel only)	5. Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke @ peak torque	8. Fuel Rate: (lb/hr) @ peak torque	9. Emission Control Device For SAE J1930
3028TPY22	3028T	84.37 @ 2400	64.50 @ 2400	28.02 @ 2400	1740.5 @ 1600	75.0 @ 1600	20.38 @ 1500	EM SPL DFI TC
3029TPY21	3029T	56.68 @ 2400	55.80 @ 2400	22.71 @ 2400	154.13 @ 1500	55.5 @ 1500	16.58 @ 1500	EM SPL DFI TC
3028TPY23	3028T	49.62 @ 2400	50.00 @ 2400	20.28 @ 2400	145.24 @ 1500	62.3 @ 1500	15.88 @ 1500	EM SPL DFI TC
3028TPY24	3028T	73.76 @ 2400	72.20 @ 2400	29.22 @ 2400	197.65 @ 1600	84.1 @ 1600	22.71 @ 1600	EM SPL DFI TC