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-142-012;

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)
2015	FH3XL2.22TD3	2.22, 1.662	Diesel	5000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Oxidation Catalyst, Engine Control Module, Exhaust Gas Recirculation	Tractor, Generation, Other Industrial Equipment

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):
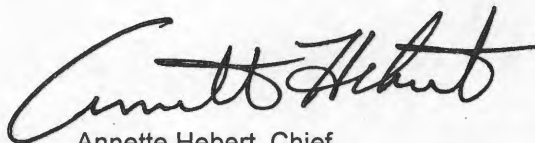
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
19≤KW<37	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT	--	--	4.7	2.5	0.03	--	--	--

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 _____27_____ day of February 2015.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Engine Model Summary Template   U-R-026-0424

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.Emission Control Device Per SAE J1930
FH3XL2.22TD3	N4LDI-T	4LT362800	48.8@2800	34.9	21.9	122@1800	41.4	16.7	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	404F-E22T	EP49DI/2800	48.8@2800	34.9	21.9	122@1800	41.4	16.7	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	C2.2	EP49DI/2800	48.8@2800	34.9	21.9	122@1800	41.4	16.7	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	N4LDI-T	4LT362600	48.8@2600	39.9	23.3	118@1600	38.7	13.9	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	N4LDI-T	4LT342600	44.9@2600 ✳	35.1	20.5	107@1800	34.7	12.5	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	N4LDI-T	4LT301800C	40.2@1800	37.0	15.0	117@1800	37.0	15.0	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	N3LDI-T	LT302800	40.2@2800	39.0	18.4	92@1800	35.5	10.8	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	403F-E17T	EW40DI/2800	40.2@2800	39.0	18.4	92@1800	35.5	10.8	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	C1.7	EW40DI/2800	40.2@2800	39.0	18.4	92@1800	35.5	10.8	DDI,ECM,TC,EGR, OC
FH3XL2.22TD3	N3LDI-T	LT272600	36.2@2600	38.3	16.8	89@1600	35.5	9.6	DDI,ECM,TC,EGR, OC
FHI3XL2.22TD3	N3LDI-T	LT242600	32.6@2600	35.8	15.7	83@1800	33.4	9.0	DDI,ECM,TC,EGR, OC
FHI3XL2.22TD3	N3LDI-T	LT201800C	26.8@1800	35.7	10.8	78@1800	35.7	10.8	DDI,ECM,TC,EGR, OC

✳ Corrected number.