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)
2009	9DZXL07.1056	7.145	Diesel	8000 .
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLIC	ATION
Direct Dies Electr	sel Injection, Turbocharg onic Control Module, Sm Exhaust Gas Recirc	er, Charge Air Cooler, loke Puff Limiter, ulation	Loaders, Tractor, Dozer, Other Indus	trial Equipment

The engine models and codes are attached.

California Environmental Protection Agency

AIR RESOURCES BOARD

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	EMISSION			E	EXHAUST (g/kw-h	ır)		OF	ACITY (%	•)
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
225 ≤ kW < 450	Tier 3	ŞTD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT			3.5	0.7	0.11	14	4	31

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 January 2009

Annette Hebert, Chief

Mobile Source Operations Division

Deute Ald Nonroad CI

Engine Model Summary Template

Attachment PI of

U-K-013-0296

;			3.BHP@RPM	4.Fuel Rate: 5.Fuel Rate: mm/stroke @ peak HP (lbs/hr) @ peak HP	5.Fuel Rate: P (lbs/hr) @ peak HP	6.Torque @ RPM	.' 	8.Fuel Rate: (lbs/hr)@peak	9. Emission Control
Engine Family	1.Engine Code	2.Engine Model	(SAE Gross)	(for diesel only)	(for diesels only)	(SEA Gross)	k torque	torque	Device Per SAE J1930
950. 400XX00	C3CT172	TCD2013L06	230.6@2200	115	84.3	748.6@1450	150	72.	DDI, TC, CAC, ECM, SPL, EGR
902710773086	C3CT194	TCD2013L06	260.1@2200	132	. 96.7	821.6@1450	168	81.1	DDI, TC, CAC, ECM, SPL, EGR
952X10774856	C3CT217	TCD2013L06	290.9@2200	147.5	108.1	907.2@1450	184.5	89.1	DDI, TC, CAC, ECM, SPL, EGR
95012312766	C3CT238	TCD2013L06	319.1@2200	159.5	116.9	976.5@1450	198	92.6	DDI, TC, CAC, ECM, SPL, EGR
902/2015/2056	C3CT261	TCD2013L06	350.0@2200	176	129.0	1105.6@145	234	113.0	DDI, TC, CAC, ECM, SPL, EGR
2007/1082	C3CI238	TCD2013L06	319.1@2200	159.5	116.9	966.9@1450	197	95.2	DDI, TC, CAC, ECM, SPL, EGR
JDZXC07,1086	C3C1227	TCD2013L06	304.4@2200	154	112.9	921.2@1450	189	91,3	DDI, TC, CAC, ECM, SPL, EGR
47,7X,07,1056	C3Cl216	TCD2013L06	289.6@2200	147	107.7	876.9@1450	178	86.0	DDI, TC, CAC, ECM, SPL, EGR
9077407,1056	C3CT158	TCD2013L06 5 211,8@2200	211.8@2200	109	79.9	685.9@1450	141.5	68.3	DDI, TC, CAC, ECM, SPL, EGR
SCC 2017 CC	C3CI253	TCD2013L06	339.2@2200	172	126.1	1104.8@145	234	113.0	DDI, TC, CAC, ECM, SPL, EGR
9017037208	C3CT178	TCD2013L06	239.6@2300	115	88.1	708.7@1600	139	74.1	DDI, TC, CAC, ECM, SPL, EGR
8801.703.X200	C3CT198	TCD2013L06	265.5@2350	125	97.9	775.7@1500	149	74.4	DDI, TC, CAC, ECM, SPL, EGR
9501,70,1X5.0s	C3CT179	TCD2013L06	239.6@2100	139	88.5	709.2@1600	142.5	75.9	DDI, TC, CAC, ECM, SPL, EGR
880 107220	C3CT191	TCD2013L06	256.1@2100	151	94.4	793.6@1600	155	82.6	DDI, TC, CAC, ECM, SPL, EGR
9DZXL071693	C3C1261	TCD2013L06 44 350.1@2200	350.1@2200	176	129.0	1104.8@150	226	112.9	DDI, TC, CAC, ECM, SPL, EGR
850 / 701XZ36	C3CI221	TCD2013L06	296.4@2200	152	111.4	921.2@1500	189	94.4	DDI, TC, CAC, ECM, SPL, EGR