

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)
2013	DCPXL12.5HTF	12.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Oxidation Catalyst, Engine Control Module, Exhaust Gas Recirculation, Periodic Trap Oxidizer, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst			Loader, Tractor, Agricultural Combine, Scraper, Excavator, Motor Grader	

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 non-methane hydrocarbon (NMHC), 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 (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Interim Tier 4 ALT NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		FEL	N/A	0.4	N/A	N/A	N/A	N/A	N/A	N/A
		CERT	0.05	0.2	--	0.04	0.02	--	--	--

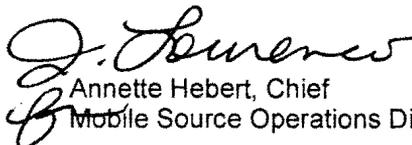
BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any 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 11th day of March 2013.


 Annette Hebert, Chief
 Mobile Source Operations Division

Engine Model Summary Template

U-R-001-0475

R/c 10/24/2013

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
DCPXL12.5HTF	Cert Test 1	C13	519@2100	255	180	1752@1400	327	154	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	1	C13	527@1870	288	181	1750@1400	329	155	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	2	C13	479@1870	255	160	1635@1400	306	144	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	3	C13	421@1870	230	145	1434@1400	272	128	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	4	C13	375@2000	197	133	1575@1300	302	132	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	5	C13	384@2100	193	136	1297@1400	246	116	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	6	C13	414@2100	207	146	1398@1400	268	126	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	7	C13	439@2100	219	155	1482@1400	281	132	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	8	C13	473@2100	239	169	1601@1400	309	145	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	9	C13	519@2100	263	185.8	1752@1400	338	159.2	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	10	C13	355@2050	184	127	1564@1200	302	122	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	11	C13	425@1800	245	148	1338@1650	259	144	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	12	C13	416@2100	216	153	1612@1200	310	125	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX
DCPXL12.5HTF	13	C13	429@2100	230	162	1612@1200	313	126	DFI,TC,ECM,CAC,EGR,I OC,SCR-U,AMOX