



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 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)
2007	7DZX15.9065	11.9, 15.9	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust -Gas Recirculation			Loaders, Other OEM Products	

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
130 ≤ kW ≤ 560	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	-	-	3.9	0.5	0.05	5	1	8

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 26th day of December 2006.


for Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: DEUTZ AG
Engine category: Nonroad CI
EPA Engine Family: 70ZXL15.9065
Mfr Family Name: TCD2015 TIERS
Process Code: New Submission

Attachment 1 of 2
 E0ffu-r-013-0217

1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5. Fuel Rate: (lb/hr) @ peak HP (for diesel 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 Per SAE J1939
C3UI360	TCD2015V06	482,7@2100	264	184,7	1534,1@1300	300	129,9	DDI, TC, CAC, ECM, SPL
C3UI360A	TCD2015V06	482,7@2000	271	180,6	1534,1@1300	300	129,9	DDI, TC, CAC, ECM, SPL
C3UI360B	TCD2015V06	482,7@1900	280	177,3	1534,1@1300	300	129,9	DDI, TC, CAC, ECM, SPL
C3UI350	TCD2015V06	488,3@1800	284	170,3	1534,1@1300	300	129,9	DDI, TC, CAC, ECM, SPL
C3UI330	TCD2015V06	442,5@2100	246	172,1	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI330A	TCD2015V06	442,5@2000	252	167,9	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI330B	TCD2015V06	442,5@1900	260	164,6	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI330C	TCD2015V06	442,5@1800	269	161,3	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI300	TCD2015V06	402,3@2100	227	158,8	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI300A	TCD2015V06	402,3@2000	234	155,9	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI300B	TCD2015V06	402,3@1900	242	153,2	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI300C	TCD2015V06	402,3@1800	250	149,9	1475,1@1300	290	125,6	DDI, TC, CAC, ECM, SPL
C3UI273	TCD2015V06	368@2100	199	139,2	1327,6@1300	261	113	DDI, TC, CAC, ECM, SPL
C3UI273A	TCD2015V06	366@2000	215	143,3	1327,6@1300	261	113	DDI, TC, CAC, ECM, SPL
C3UI273B	TCD2015V06	368@1900	224	141,8	1327,6@1300	261	113	DDI, TC, CAC, ECM, SPL
C3UI273C	TCD2015V06	366@1800	234	140,3	1327,6@1300	261	113	DDI, TC, CAC, ECM, SPL
C3UI240	TCD2015V06	321,8@2100	189	132,2	1106,3@1300	228	98,7	DDI, TC, CAC, ECM, SPL
C3UI240A	TCD2015V06	321,8@2000	193	126,6	1106,3@1300	228	98,7	DDI, TC, CAC, ECM, SPL
C3UI240B	TCD2015V06	321,8@1900	199	126	1106,3@1300	228	98,7	DDI, TC, CAC, ECM, SPL
C3UI240C	TCD2015V06	321,8@1800	209	125,3	1106,3@1300	228	98,7	DDI, TC, CAC, ECM, SPL
C3UI500	TCD2015V06	670,5@2100	293	273,4	2131,5@1400	325	202,2	DDI, TC, CAC, ECM, SPL
C3UI500A	TCD2015V06	670,5@2000	300	266,6	2131,5@1400	325	202,2	DDI, TC, CAC, ECM, SPL
C3UI500B	TCD2015V06	670,5@1900	315	266,9	2131,5@1400	325	202,2	DDI, TC, CAC, ECM, SPL
C3UI490	TCD2015V06	657@1800	317	253,5	2131,5@1400	325	202,2	DDI, TC, CAC, ECM, SPL
C3UI480	TCD2015V06	643,6@2100	280	261,3	2065,1@1400	315	195,9	DDI, TC, CAC, ECM, SPL
C3UI480A	TCD2015V06	643,6@2000	289	256,8	2065,1@1400	315	195,9	DDI, TC, CAC, ECM, SPL

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EPA Engine Family: 7DZXL15.9065

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
C3UJ480B	TCD2015V08	643,6@1900	302	265	2065,1@1400	315	195,9	DDI, TC, CAC, ECM, SPL
C3UJ480C	TCD2015V08	643,6@1800	309	247,1	2065,1@1400	315	195,9	DDI, TC, CAC, ECM, SPL
C3UJ440	TCD2015V08	590@2100	255	237,8	1954,5@1400	300	186,6	DDI, TC, CAC, ECM, SPL
C3UJ440A	TCD2015V08	590@2000	262	232,8	1954,5@1400	297	184,7	DDI, TC, CAC, ECM, SPL
C3UJ440B	TCD2015V08	590@1900	271	228,1	1954,5@1400	297	184,7	DDI, TC, CAC, ECM, SPL
C3UJ440C	TCD2015V08	590@1800	283	226,3	1954,5@1400	297	184,7	DDI, TC, CAC, ECM, SPL
C3UJ400	TCD2015V08	536,4@2100	237	221,1	1954,5@1400	300	186,6	DDI, TC, CAC, ECM, SPL
C3UJ400A	TCD2015V08	536,4@2000	241	214,2	1954,5@1400	297	184,7	DDI, TC, CAC, ECM, SPL
C3UJ400B	TCD2015V08	536,4@1900	250	211,1	1954,5@1400	297	184,7	DDI, TC, CAC, ECM, SPL
C3UJ400C	TCD2015V08	536,4@1800	257	205,5	1954,5@1400	297	184,7	DDI, TC, CAC, ECM, SPL
C3UJ350	TCD2015V08	469,3@2100	215	200,6	1585,7@1400	246	153	DDI, TC, CAC, ECM, SPL
C3UJ350A	TCD2015V08	469,3@2000	220	195,5	1585,7@1400	246	153	DDI, TC, CAC, ECM, SPL
C3UJ350B	TCD2015V08	469,3@1900	225	189,9	1585,7@1400	246	153	DDI, TC, CAC, ECM, SPL
C3UJ350C	TCD2015V08	469,3@1800	225	179,9	1585,7@1400	246	153	DDI, TC, CAC, ECM, SPL
C3UJ370	TCD2015V08	496,1@2100	225	208,9	1401,3@1400	220	136,8	DDI, TC, CAC, ECM, SPL
C3UJ300X	TCD2015V06	402,3@2100	227	158,8	1401,3@1300	276	119,5	DDI, TC, CAC, ECM, SPL
C3UJ350D	TCD2015V08	469,3@1800	225	179,9	1585,7@1400	246	153	DDI, TC, CAC, ECM, SPL