



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)
2006	6DZXL06.1057	6.1	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust -Gas Recirculation			Loader	

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 (NO_x), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO_x), 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	NO _x	NMHC+NO _x	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	.20	20	15	50
		CERT	-	-	3.7	0.5	.06	2	3	4

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 25 day of October 2006.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Manufacturer: DEUTZ AG
Engine category: Nonroad CI
EPA Engine Family: 6DZXL06.1057
Mfr Family Name: TCD2012L06 2V
Process Code: New Submission

Attachment
 U-R-013-0188

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
C3U1136	TCD2012L06	197.1@ 1800	123	73.7	597.4@1600	125	66.6	DDI, TC, <i>CA, PC, PM</i>
C3U1155	TCD2012L06	207.8@ 2400	100	79.9	597.4@1600	125	66.6	DDI, TC,
C3U1155A	TCD2012L06	207.8@ 2300	104	79.7	597.4@1600	125	66.6	DDI, TC,
C3U1150	TCD2012L06	201.1@ 2200	105	76.9	597.4@1600	125	66.6	DDI, TC,
C3U1146	TCD2012L06	195.7@ 2100	106	74.1	597.4@1600	125	66.6	DDI, TC,
C3U1142	TCD2012L06	190.4@ 2000	116	77.3	597.4@1600	125	66.6	DDI, TC,
C3U1138	TCD2012L06	185@ 1900	122	77.2	597.4@1600	125	66.6	DDI, TC,
C3U1134	TCD2012L06	179.6@ 1800	122	73.1	597.4@1600	125	66.6	DDI, TC,
C3U1147	TCD2012L06	197.1@ 2400	105	83.9	567.9@1600	121	64.5	DDI, TC,
C3U1147A	TCD2012L06	197.1@ 2300	102	78.1	567.9@1600	121	64.5	DDI, TC,
C3U1143	TCD2012L06	191.7@ 2200	108	79.1	567.9@1600	121	64.5	DDI, TC,
C3U1139	TCD2012L06	186.3@ 2100	109	76.2	567.9@1600	121	64.5	DDI, TC,
C3U1135A	TCD2012L06	181@ 2000	112	74.6	567.9@1600	121	64.5	DDI, TC,
C3U1131A	TCD2012L06	175.6@ 1900	118	74.7	567.9@1600	121	64.5	DDI, TC,
C3U1140	TCD2012L06	187.7@ 2400	100	79.9	538.4@1600	117	62.3	DDI, TC,
C3U1140A	TCD2012L06	187.7@ 2300	104	79.7	538.4@1600	117	63.3	DDI, TC,
C3U1135	TCD2012L06	181@ 2200	104	76.2	538.4@1600	117	62.3	DDI, TC,
C3U1131	TCD2012L06	175.6@ 2100	105	73.4	538.4@1600	117	62.3	DDI, TC,
C3U1132	TCD2012L06	177@ 2400	95	75.9	507.4@1600	113	60.2	DDI, TC,
C3U1132A	TCD2012L06	177@ 2300	100	76.6	507.4@1600	113	60.2	DDI, TC,