EXHAUST EMISSION DATA SHEET

MQ POWER GENERATOR SET

Model: DCA-10SPXU4



The engine used in this generator set is certified to comply with United States EPA Tier 4 and CARB Mobile Off-Highway emission regulations.

Manufactura				Bara	3.26	:	100	
Manufacturer:	Bore:		in.	(83	mm)			
Model:	D1503	Stroke:	3.63	in.	(92.4	,		
Туре:	4-Cycle, In-Line, 3-cylinde	Displacement		cid		9 liters)		
Aspiration:	Naturally Aspirated. Indire	Compression Ratio: 23:1						
PERFORMA	NCE DATA							
SAE Gross HP	9 @ 1800 RPM (60 Hz)	25	.4					
Rated Load Fu	el Consumption (gal/Hr)	0.9	97					
	haust Gas Flow (cfm)	92	.1					
Rated Load Ex								
	. ,	(°F) 77	2					
	khaust Gas Temperature	(°F) 77	2					
Rated Load Ex	khaust Gas Temperature		_	1	40.7			
Rated Load Ex	. ,		_	Limits -	10.7	′ ≤ B	BHP ~	< 25.5 BH
Rated Load Ex	khaust Gas Temperature	obile O	_	Limits -				
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OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105	Karl J. Sinon, Director Revision Date: Compliance and Innovative Strategies Division N/A	9 2atment Devices Installed Design Modification	Parsuant to Section 213 of the Chean Air Ard (42 U.S.C. section 7547) and 40 CRP Part 1039, and subject to the teams and conditions presertible in those provisions, this certificate of conformity is laterly usued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines. Jy engine family, more fully described in the documentation required by 40 CFR Part 1039 and which are assed model year. This certificate of conformity or engines which docum that all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1039 and which are produced during the model year. This certificate to conformity is a produced during the model year and nonis certificate of the suid manufacture, as defined in 40 CFR Part 1039. It is a term of this certificate that the manufacturer stall consent to all inspections described in 40 CFR Part 1039. It is also a term of this certificate that the manufacturer stall consent to all inspections described in 40 CFR Part 1039. It is also a term of this certificate that the manufacturer stall consent to all inspections described in 40 CFR Part 1039. It is also a term of this certificate may be revoked or suspended or network or our other may lead to a respection of this to the conform, the out other resons specified in 40 CFR Part 1039. It is also a term of this certificate may be revoked or suspended or the certificate for the other resons specified in 40 CFR Part 1039. It is also a term of this certificate may be revoked or suspendent of the total states are associated in the conform the desting at the sectificate for the sectificate for terms and and a control of the other may lead to a state. The term of this certificate des not to over engines sold, offered for sule, or introduced, or defined in 40 CFR Part 1039. It is also a term of this certificate may be revoked or supported or This certificate does not tover engines sold, offered for sule, or
rion AGENCY { 90	Compliance and Inner	Mobile/Stationary Indicator: Mobile Emissions Power Category: 8<=kW<19 Fuel Type: Diesel After Treatment Devices: No After Treatment Devices Installed Non-after Treatment Devices: Engine Design Modification	CFR Part 1039, and subject to the terms and conditions prescribed in those provisions, this certify de plicable requirements and which represent the following engines, by engine family, more fully de plicable requirements and which comform in all material respects to the design specifications that applied to those engine the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1030. It is also a term of this certificate that this certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate a defined in 40 CFR Part 1039. It is also a term of this certificate that this certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that the certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that this certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that the certificate the for reasons specified in 40 CFR Part 1039. It is also a term of this certificate that the certificate the for reasons specified in 40 CFR Part 1039. It is also a term of the effective date of the certificate the for the effective date of the certificate transformer to the effective date of the certificate.
TES ENVIRONMENTAL PROTECTIC 2012 MODEL YEAR CERTIFICATE OF CONFORMITY /ITH THE CLEAN AIR ACT OF 1990	Effective Date: 09/20/2011 Expiration Date: 12/31/2012	Mob Emis Fuel After Non-	FR Part 1039, and subject to the licable requirements and which relates which conform in all material as model year stated on this certifies and treasons specified in 40 CFR Part reasons specified in the configuration, into configuration int
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2012 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT OF 1990	Kubota Corporation (U.S. Manufacturer or Importer) CKBXL01.5FCC-023	al Bngine Manufacturer 5FCC	Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Part 1039, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity issued with respect to the test regimes which have been found to conform to applicable requirements and which represent the following engines. Ity engine famly, more fully described in the concentrate of CFR Part 1039 and produced in the stated model year. This certificate of conformity overse only phose are presented in the stated model year. This certificate of conformity overse only phose are presented and the conformation required by 40 CFR Part 1039 and which are produced in the stated model year. It is a term of this certificate that the manifecture stall consent to all inspection described in 40 CFR Part 1039 and which are produced during the model year stated on this certificate to the stati manifecture stall consent to all inspections described in 40 CFR Part 1039 and which are produced during the model year stated on this certificate to the stati manifecture stall consent to all inspections described in 40 CFR Part 1039. It is a term of this certificate that this certificate may be revolved or a state of the state of the state on this certificate that this certificate may be revolved or surface the state of the state does not cover engines sold. Offered for stale, or introduced, in the commerce that U.S. prior to the effective date of the certificate may be revolved or a tradeed void do <i>in the other engines</i> and or introduction, into commerce the U.S. prior to the offer tertificate may be revolved or allowed to the state of the state on the tertificate may be revolved or a tertificate does not cover engines sold. Offered for stale, or introduced, in the tertificate between the U.S. prior to the effective date of the certificate.
HILE COLORINA TEROCIA	Certificate Issued To: Kubota Corporatio (U.S. Manufacturer or Certificate Number: CKBXL01.5FCC-023	Model Year: 2012 Manufacturer Type: Original Engine Manufacturer Engine Family: CKBXL01.5FCC	Pursuant to Section 213 of the issued with respect to the test (required by 40 CFR Part 1039 This certificate of conformity (documentation required by 40 It is a term of this certificate th warrant or court order may lea rendered void <i>ab initio</i> for oth This certificate does not cover

California Environmental Protection Agency AIR RESOURCES BOARD	KUBOTA Corporation	EXECUTIVE ORDER U-R-025-0531 New Off-Road Compression-lanition Engines	
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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)			
2012	CKBXL01.5FCC	1.499	Diesel	3000			
COLOR STREET, STRE	FEATURES & EMISSION						
-	Indirect Diesel Inje	ction	Generator Set, Refrigeration Unit				

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		EXHAUST (g/kw-hr)					OPACITY (%)		
	STANDARD CATEGORY		HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
8 ≤ kW < 19	Tier 4 Final	STD	N/A	N/A	7.5	6,6	0.40	N/A	N/A	N/A
14		CERT		6410	5.9	0.9	0.20			

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 December 2011.

Annette Hebert, Chief Mobile Source Operations Division