## **DEUTZ AG**



Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

**IT IS ORDERED AND RESOLVED:** That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. 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		
2022	NDZXB02.2113	2.194	LPG		
DURABILITY HOURS		CIAL FEATURES & I CONTROL SYSTEMS	TYPICAL EQUIPMENT USAGE		
5000 Three-Way C Sensors (		ntalytic Converters, Oxygen 2), Gaseous Fuel Mixer	Forklift		
ENGINE MODELS (rated power in kilowatt, kW)		See Attachment			

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

	HC+NOx (g/kW-hr)	CO (g/kW-hr)
EXHAUST STANDARD	0.8	20.6
CERTIFICATION LEVEL	0.2	1.2

The following is the evaporative hydrocarbon emission standard (13 CCR Section 2433(b)(4)) and certification emission level for this engine family in grams per gallon of fuel tank capacity (g/gallon).

<b>Evaporative Certification Method</b>	HC Certification Level (g/gallon)	HC Certification Standard (g/gallon)		
Design Based	N/A	N/A		

**BE IT FURTHER RESOLVED:** That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(c) (certification and test procedures), 13 CCR Section 2434 (emission control labels), and 13 CCR Sections 2435 and 2436 (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 on this <a href="#">7th</a> day of November 2021.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

For CARB Use Only
Executive Order: U-L-077-0003
Attachment \_\_1\_of\_\_1\_

Date: 09/22/2021

Engine Family: NDZXB02.2113

Model Summary

			\$15. Sales Codes (Check all appropriate)			 ]			
S13. Engine Model	S14. Engine Code	CA Only	Codes (Check all ap	propriate) 50-State	S16. Engine Displacement (Liters)	S17. Rated Power (kW)	S18. Rated Speed (RPM)	S19. Peak Torque (FT-LB)	S20. Peak Torque Speed (RPM)
G2.2L3	C5LI42A*			<b>√</b>	2.194	42	2800	160	1400
G2.2L3	C5LI40B			<b>√</b>	2.194	40	2600	160	1400
G2.2L3	C5LI40BL			✓ ·	2.194	39.6	2600	160	1400
G2.2L3	C5LI37A			·	2.194	37	2800	150	1400
G2.2L3	C5LI37B			· ·	2.194	37	2600	150	1400
G2.2L3	C5LI37B			· ·	2.194	30	2800	140	1400
G2.2L3 G2.2L3	C5LI30B			· ·	2.194	30	2600	140	1400
				<b>√</b>					
G2.2L3	C5LI30EL			<b>√</b>	2.194	30	2200	131	1600
G2.2L3	C5LI26E			<i>*</i>	2.194	26	2200	140	1400
G2.2L3	C5LI26F				2.194	26	2100	140	1400
G2.2L3	C5LI41A			✓	2.194	41.5	2800	160	1000