CALIFORNIA AIR RESOURCES BOARD	DEUTZ AG	EXECUTIVE ORDER: U-R-013-0742 New Off-Road Compression-Ignition Engines Page 1 of 1
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Pursuant to the authority vested in the California Air Resources Board by 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: The engines and emission control systems produced by the manufacturer as described below are certified 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	Combustion Cycle	Fuel Operation	Fuel Type(s)	Engine Operation
2025	SDZXL02.9118	Diesel	Dedicated	Diesel	Variable-speed and Constant-speed

Emission Control Systems					
[1]: Direct Diesel Injection (DDI), Turbocharger (TC), Electronic Control Module (ECM), Exhaust Gas Recirculation (EGR), Diesel Oxidation Catalyst (DOC), Continuous Trap Oxidizer (CTOX)	None				

The certified engine models are attached.

The listed engine models comply with the following: 1) emission standard limits (STD) and Not-To-Exceed (NTE) limits, as applicable, for criteria pollutants non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM), and for smoke opacity as demonstrated during the Acceleration (ACL) and Lugging (LUG) modes, and the peak value (PEAK) in either mode of the Smoke Opacity cycle, as set forth in 13 CCR 2423 and the applicable California test procedures for off-road compression-ignition engines, and 2) family emission limits (FEL) declared by the manufacturer as allowed by the applicable California test procedures, stated in units of gram per kilowatt-hour (g/kW-hr) and percent opacity (%opacity), respectively, except as noted, or designated as not applicable (*).

	Crit	Smoke Opacity					
Applicable Standard	NMHC+NOx	СО	PM	ACL	LUG	PEAK	
	STD	4.7	5.0	0.03	*	*	*
Tier 4 Final 37 ≤ kW < 56	FEL	*	*	*	*	*	*
07 2 800 4 00	NTE	5.9	6.2	0.04	*	*	*

BE IT FURTHER RESOLVED: Any declared FEL is the emission limit to which all engines must comply in lieu of the standard limit for certification purposes, subject to the restrictions of averaging, banking, or trading (ABT) programs allowed by the applicable California test procedures.

BE IT FURTHER RESOLVED: For the listed engine models, the manufacturer has submitted materials to demonstrate certification compliance with 13 CCR 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control warranty).

BE IT FURTHER RESOLVED: The listed engine models may only be installed in or on equipment such that engine operation is consistent with off-road compression-ignition engines as defined in 13 CCR 2421(a)(39).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this ______ day of September 2024.

Elin U. Lang

Robin U. Lang, Chief () Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: SDZXL02.9118 EO Number: U-R-013-0742 Date Applicable: 9/6/2024

		Trim		-	Peak Power			Peak Torque			_		
Model Code	Code		Config	Displacement	Power	Speed	Speed Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	hp	rpm	lb/hr	N-m	rpm	lb/hr	-	-	-
D 2.9 L4	C5EI55E		L4	2.925	74.3	2200	29.8	260	1600	22	1	N/A	
D 2.9 L4	C5EI50D		L4	2.925	67.1	2300	27	235	1600	19.5	1	N/A	
D 2.9 L4	C5EI50A		L4	2.925	67.1	2600	29.4	235	1600	19.5	1	N/A	
D 2.9 L4	C5EI45D		L4	2.925	60.3	2300	24.5	215	1600	17.7	1	N/A	
D 2.9 L4	C5EI55A		L4	2.925	74.3	2600	32.9	260	1600	22	1	N/A	
D 2.9 L4	C5EI55AH		L4	2.925	74.3	2600	32.9	320	1600	28	1	N/A	
D 2.9 L4	C5EI55CH		L4	2.925	74.3	2400	30.6	320	1600	28	1	N/A	
D 2.9 L4	C5EI45A		L4	2.925	60.3	2600	26.5	215	1600	17.7	1	N/A	
D 2.9 L4	C5EI55EH		L4	2.925	74.3	2200	29.8	320	1600	28	1	N/A	
D 2.9 L4	C5EI55AG		L4	2.925	74.3	2600	32.9	260	1600	22	1	N/A	
D 2.9 L4	C5EI55D		L4	2.925	74.3	2300	29.6	260	1600	22	1	N/A	
D 2.9 L4	C5EI55DH		L4	2.925	74.3	2300	29.6	320	1600	28	1	N/A	
D 2.9 L4	C5EI50E		L4	2.925	67.1	2200	26.3	235	1600	19.5	1	N/A	
D 2.9 L4	C5EI45E		L4	2.925	60.3	2200	23.9	215	1600	17.7	1	N/A	