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	SDZXL15.9058	Diesel	Dedicated	Diesel	Variable-speed and Constant-speed

Emission Control Systems	Special Features
[1]: Direct Diesel Injection (DDI), Turbocharger (TC), Charge Air Cooler (CAC), Electronic Control Module (ECM), Diesel Oxidation Catalyst (DOC), Selective Catalytic Reduction-Urea (SCR-U #1), Selective Catalytic Reduction-Urea (SCR-U #2), Ammonia Oxidation Catalyst (AMOX)	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 hydrocarbons (NMHC), nitrogen oxides (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 (*).

Applicable Standard		Criteria				Smoke Opacity		
		NMHC	NOx	CO	PM	ACL	LUG	PEAK
Tier 4 Final 130 ≤ kW ≤ 560	STD	0.19	0.40	3.5	0.02	*	*	*
	FEL	*	*	*	*	*	*	*
	NTE	0.28	0.60	4.4	0.03	*	*	*

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 23rd day of September 2024.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: SDZXL15.9058 EO Number: U-R-013-0754 Date Applicable: 9/17/2024

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	hp	rpm	lb/hr	N-m	rpm	lb/hr	-	-	-
TCD 16.0 V8	CFYI520U		V8	15.874	697.3	2100	256.6	2890	1400	186.6	1	N/A	
TCD 16.0 V8	CFYI350V		V8	15.874	469.4	2000	168.8	2150	1400	140.6	1	N/A	
TCD 16.0 V8	CFYI350U		V8	15.874	469.4	2100	169.8	2150	1400	140.6	1	N/A	
TCD 16.0 V8	CFYI350X		V8	15.874	469.4	1800	157.5	2150	1400	140.6	1	N/A	
TCD 12.0 V6	CFYI390W		V6	11.906	523	1900	189.9	2130	1400	141.3	1	N/A	
TCD 12.0 V6	CFYI370U		V6	11.906	496.2	1800	176.9	2130	1400	141.3	1	N/A	
TCD 12.0 V6	CFYI360U		V6	11.906	482.8	2100	178.4	2080	1400	137.6	1	N/A	
TCD 16.0 V8	CFYI370U		V8	15.874	496.2	2100	179.1	1900	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI330V		V6	11.906	442.5	2000	159.9	2000	1400	130.6	1	N/A	
TCD 16.0 V8	CFYI440X		V8	15.874	590	1800	201.5	2650	1400	172.9	1	N/A	
TCD 12.0 V6	CFYI390U		V6	11.906	523	2100	196.6	2130	1400	141.3	1	N/A	
TCD 12.0 V6	CFYI350U		V6	11.906	469.4	1800	163.1	2080	1400	137.6	1	N/A	
TCD 12.0 V6	CFYI390V		V6	11.906	523	2000	189.9	2130	1400	141.3	1	N/A	
TCD 12.0 V6	CFYI360W		V6	11.906	482.8	1900	170.9	2080	1400	137.6	1	N/A	
TCD 16.0 V8	CFYI350W		V8	15.874	469.4	1900	162.1	2150	1400	140.6	1	N/A	
TCD 12.0 V6	CFYI330U		V6	11.906	442.5	2100	164.4	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI360V		V6	11.906	482.8	2000	173.3	2080	1400	137.6	1	N/A	
TCD 16.0 V8	CFYI480V		V8	15.874	643.7	2000	226.6	2800	1400	182.3	1	N/A	
TCD 16.0 V8	CFYI480U		V8	15.874	643.7	2100	233.3	2800	1400	182.3	1	N/A	
TCD 16.0 V8	CFYI440U		V8	15.874	590	2100	214.7	2650	1400	172.9	1	N/A	
TCD 16.0 V8	CFYI520V		V8	15.874	697.3	2000	246.2	2890	1400	186.6	1	N/A	
TCD 16.0 V8	CFYI480W		V8	15.874	643.7	1900	223.7	2800	1400	182.3	1	N/A	
TCD 16.0 V8	CFYI520W		V8	15.874	697.3	1900	241.5	2890	1400	186.6	1	N/A	
TCD 16.0 V8	CFYI440V		V8	15.874	590	2000	209.7	2650	1400	172.9	1	N/A	
TCD 16.0 V8	CFYI480X		V8	15.874	643.7	1800	222.3	2800	1400	182.3	1	N/A	
TCD 16.0 V8	CFYI400V		V8	15.874	536.4	2000	191.1	2650	1400	172.9	1	N/A	
TCD 16.0 V8	CFYI400W		V8	15.874	536.4	1900	187.4	2650	1400	172.9	1	N/A	
TCD 16.0 V8	CFYI400U		V8	15.874	536.4	2100	195.9	2650	1400	172.9	1	N/A	
TCD 16.0 V8	CFYI505U		V8	15.874	677.2	1800	235.1	2890	1400	186.6	1	N/A	
TCD 16.0 V8	CFYI440W		V8	15.874	590	1900	204.3	2650	1400	172.9	1	N/A	
TCD 16.0 V8	CFYI400X		V8	15.874	536.4	1800	179.9	2650	1400	172.9	1	N/A	
TCD 12.0 V6	CFYI240X		V6	11.906	321.8	1800	113.9	1500	1400	100.3	1	N/A	
TCD 12.0 V6	CFYI273W		V6	11.906	366.1	1900	132.9	1800	1400	118.9	1	N/A	
TCD 12.0 V6	CFYI330W		V6	11.906	442.5	1900	155.2	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI273X		V6	11.906	366.1	1800	128.9	1800	1400	118.9	1	N/A	
TCD 12.0 V6	CFYI330X		V6	11.906	442.5	1800	152.9	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI273U		V6	11.906	366.1	2100	139.9	1800	1400	118.9	1	N/A	
TCD 12.0 V6	CFYI240W		V6	11.906	321.8	1900	117.1	1500	1400	100.3	1	N/A	
TCD 12.0 V6	CFYI300W		V6	11.906	402.3	1900	142.4	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI300U		V6	11.906	402.3	2100	150.4	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI300X		V6	11.906	402.3	1800	137.9	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI273V		V6	11.906	366.1	2000	136.6	1800	1400	118.9	1	N/A	

ATTACHMENT: ENGINE MODELS

Family: SDZXL15.9058 EO Number: U-R-013-0754 Date Applicable: 9/17/2024

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	hp	rpm	lb/hr	N-m	rpm	lb/hr	-	-	-
TCD 12.0 V6	CFYI300V		V6	11.906	402.3	2000	146.6	2000	1400	130.6	1	N/A	
TCD 12.0 V6	CFYI240V		V6	11.906	321.8	2000	119.9	1500	1400	100.3	1	N/A	
TCD 12.0 V6	CFYI240U		V6	11.906	321.8	2100	136.4	1500	1400	100.3	1	N/A	