

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
2026	TDZXL02.9119	Diesel	Dedicated	Diesel	Variable-speed and Constant-speed

Emission Control Systems	Special Features
[1]: Direct Diesel Injection (DDI), Charge Air Cooler (CAC), Exhaust Gas Recirculation (EGR), Electronic Control Module (ECM), Turbocharger (TC), 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 (\*).

Applicable Standard		Criteria			Smoke Opacity		
		NMHC+NOx	CO	PM	ACL	LUG	PEAK
Tier 4 Final 37 ≤ kW < 56	STD	4.7	5.0	0.03	*	*	*
	FEL	*	*	*	*	*	*
	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 24th day of September 2025.

  
Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**ATTACHMENT: ENGINE MODELS**

Family: TDZXL02.9119 EO Number: U-R-013-0776 Date Applicable: 9/12/25

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	L	hp	rpm	lb/hr	N-m	rpm	lb/hr	-	-	-
TCD 2.9 L4	CSEI55E		L4	2.925	74.3	2200	27.8	375	1400	23	1	N/A	
TCD 2.9 L4	CSEI45E		L4	2.925	60.3	2200	23.4	240	1600	19.1	1	N/A	
TCD 2.9 L4	CSEI45D		L4	2.925	60.3	2300	23.5	240	1600	19.1	1	N/A	
TCD 2.9 L4	CSEI45A		L4	2.925	60.3	2600	26.5	240	1600	19.1	1	N/A	
TCD 2.9 L4	CSEI50D		L4	2.925	67.1	2300	26	270	1600	21.3	1	N/A	
TCD 2.9 L4	CSEI55EZ		L4	2.925	74.3	2200	27.8	300	1600	22.3	1	N/A	
TCD 2.9 L4	CSEI55DZ		L4	2.925	74.3	2300	28.6	300	1600	22.3	1	N/A	
TCD 2.9 L4	CSEI55D		L4	2.925	74.3	2300	28.6	375	1400	23	1	N/A	
TCD 2.9 L4	CSEI55AZ		L4	2.925	74.3	2600	31.1	300	1600	22.3	1	N/A	
TCD 2.9 L4	CSEI55A		L4	2.925	74.3	2600	31.1	375	1400	23	1	N/A	
TCD 2.9 L4	CSEI55ES		L4	2.925	74.3	2200	27.8	260	1600	20.6	1	N/A	
TCD 2.9 L4	CSET45E		L4	2.925	60.3	2200	23.4	246	1600	19.5	1	N/A	
TCD 2.9 L4	CSET50E		L4	2.925	67.1	2200	26.3	272	1600	21.3	1	N/A	
TCD 2.9 L4	CSET55E		L4	2.925	74.3	2200	27.8	300	1600	22.3	1	N/A	
TCD 2.9 L4	CSET55EA		L4	2.925	74.3	2200	27.8	375	1400	23	1	N/A	
TCD 2.9 L4	CSET50EA		L4	2.925	67.1	2200	26.3	375	1400	23	1	N/A	
TCD 2.9 L4	CSEI55AG		L4	2.925	74.3	2600	31.1	375	1400	23	1	N/A	