

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.

BE IT FURTHER RESOLVED: The manufacturer requested an Executive Order. This Executive Order certifies the engine family meets the standards for which certification was requested.

Model Year	Engine Family	Combustion Cycle	Fuel Operation	Fuel Type(s)	Engine Operation
2026	TDZXL02.9016	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), Exhaust Gas Recirculation (EGR), Diesel Oxidation Catalyst (DOC)	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 (*), as set forth in the table below.

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 22nd day of December 2025.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: TDZXL02.9016 EO Number: U-R-013-0793 Date Applicable: 12/12/2025

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	L	hp	rpm	mm3/stroke	lb-ft	rpm	mm3/stroke	-	-	-
TCD2.9L4	C4DI55C		L4	2.925	74.2	2300	57	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI55		L4	2.925	74.2	2600	56	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI55A		L4	2.925	74.2	2500	56.4	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI55B		L4	2.925	74.2	2400	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI54		L4	2.925	72.4	2200	56.5	191.7	1800	59	1	N/A	
TCD2.9L4	C4DI55D		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI50C		L4	2.925	67.0	2300	52.3	199.1	1600	67.5	1	N/A	
TCD2.9L4	C4DI45		L4	2.925	60.3	2600	47	177	1600	54	1	N/A	
TCD2.9L4	C4DI45A		L4	2.925	60.3	2300	49	177	1600	54	1	N/A	
TCD2.9L4	C4DI45B		L4	2.925	60.3	2200	49	177	1600	54	1	N/A	
TCD2.9L4	C4DT55		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT50		L4	2.925	67	2200	52.5	200.6	1600	61.5	1	N/A	
TCD2.9L4	C4DT45		L4	2.925	60.3	2200	49	179.9	1600	55.5	1	N/A	
TCD2.9L4	C4DI55I		L4	2.925	74.2	2600	56	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI55E		L4	2.925	74.2	2500	56.4	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI55F		L4	2.925	74.2	2400	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI55G		L4	2.925	74.2	2300	57	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DI54A		L4	2.925	72.4	2200	56.5	191.7	1800	59	1	N/A	
TCD2.9L4	C4DI50G		L4	2.925	67	2300	52.3	199.1	1600	67.5	1	N/A	
TCD2.9L4	C4DI45D		L4	2.925	60.3	2600	47	177	1600	54	1	N/A	
TCD2.9L4	C4DI45E		L4	2.925	60.3	2300	49	177	1600	54	1	N/A	
TCD2.9L4	C4DI45F		L4	2.925	60.3	2200	49	177	1600	54	1	N/A	
TCD2.9L4	C4DI55H		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT55A		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT55B		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT50A		L4	2.925	67	2200	52.5	200.6	1600	61.5	1	N/A	
TCD2.9L4	C4DT50B		L4	2.925	67	2200	52.5	200.6	1600	61.5	1	N/A	
TCD2.9L4	C4DT45A		L4	2.925	60.3	2200	49	179.9	1600	55.5	1	N/A	
TCD2.9L4	C4DT45B		L4	2.925	60.3	2200	49	179.9	1600	55.5	1	N/A	
TCD2.9L4	C4DT55C		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT55D		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT55J		L4	2.925	74.2	2200	56.7	221.2	1600	67.5	1	N/A	
TCD2.9L4	C4DT50J		L4	2.925	67	2200	52.5	200.6	1600	61.5	1	N/A	
TCD2.9L4	C4DT45J		L4	2.925	60.3	2200	49	179.9	1600	55.5	1	N/A	