

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 are to 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	TDZXL06.1050	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), Continuous Trap Oxidizer (CTOX), Selective Catalytic Reduction – Urea (SCR-U), 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 (*), as set forth in the table below.

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 are to 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 are to conform to all applicable California emission regulations.

Executed on this 21st day of November 2025.



Robin U. Lang, Chief
 Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: TDZXL06.1050 EO Number: U-R-013-0790 Date Applicable: 11/14/2025

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	-	-	-
TCD 6.1 L6	CFVI180		L6	6.057	241.3	2300	121	737.5	1450	148	1	N/A	
TCD 6.1 L6	CFVI180A		L6	6.057	241.3	2200	123.5	737.5	1450	148	1	N/A	
TCD 6.1 L6	CFVI180B		L6	6.057	241.3	2100	127	737.5	1450	148	1	N/A	
TCD 6.1 L6	CFVI180C		L6	6.057	241.3	2000	133	737.5	1450	148	1	N/A	
TCD 6.1 L6	CFVI160E		L6	6.057	214.5	1900	120.5	663.8	1450	130	1	N/A	
TCD 6.1 L6	CFVI160		L6	6.057	214.5	1800	126.5	663.8	1450	130	1	N/A	
TCD 6.1 L6	CFVI160A		L6	6.057	214.5	2100	106.7	663.8	1450	130	1	N/A	
TCD 6.1 L6	CFVI160B		L6	6.057	214.5	2300	110	663.8	1450	130	1	N/A	
TCD 6.1 L6	CFVI160C		L6	6.057	214.5	2100	112.7	663.8	1450	130	1	N/A	
TCD 6.1 L6	CFVI160D		L6	6.057	214.5	2000	116.5	663.8	1450	130	1	N/A	
TCD 6.1 L6	CFVI150		L6	6.057	201.1	2300	100	645.3	1450	126.5	1	N/A	
TCD 6.1 L6	CFVI150A		L6	6.057	201.1	2200	102.5	645.3	1450	126.5	1	N/A	
TCD 6.1 L6	CFVI150B		L6	6.057	201.1	2100	105.3	645.3	1450	126.5	1	N/A	
TCD 6.1 L6	CFVI140		L6	6.057	187.7	2100	98	608.4	1450	119.3	1	N/A	
TCD 6.1 L6	CFVI140A		L6	6.057	187.7	2000	101	608.4	1450	119.3	1	N/A	
TCD 6.1 L6	CFVI180F		L6	6.057	241.3	2000	133	737.5	1450	148	1	N/A	
TCD 6.1 L6	C5VI180		L6	6.057	241.3	2300	121	737.5	1450	148	1	N/A	
TCD 6.1 L6	C5VI180A		L6	6.057	241.3	2200	123.5	737.5	1450	148	1	N/A	
TCD 6.1 L6	C5VI180B		L6	6.057	241.3	2100	127	737.5	1450	148	1	N/A	
TCD 6.1 L6	C5VI180C		L6	6.057	241.3	2000	133	737.5	1450	148	1	N/A	
TCD 6.1 L6	C5VI180F		L6	6.057	241.3	2000	133	737.5	1450	148	1	N/A	
TCD 6.1 L6	C5VI160A		L6	6.057	214.5	2100	106.7	663.8	1450	130	1	N/A	
TCD 6.1 L6	C5VI160B		L6	6.057	214.5	2300	110	663.8	1450	130	1	N/A	
TCD 6.1 L6	C5VI160C		L6	6.057	214.5	2100	112.7	663.8	1450	130	1	N/A	
TCD 6.1 L6	C5VI160D		L6	6.057	214.5	2000	116.5	663.8	1450	130	1	N/A	
TCD 6.1 L6	C5VI160E		L6	6.057	214.5	1900	120.5	663.8	1450	130	1	N/A	
TCD 6.1 L6	C5VI160		L6	6.057	214.5	1800	126.5	663.8	1450	130	1	N/A	
TCD 6.1 L6	C5VI150		L6	6.057	201.1	2300	100	645.3	1450	126.5	1	N/A	
TCD 6.1 L6	C5VI150A		L6	6.057	201.1	2200	102.5	645.3	1450	126.5	1	N/A	
TCD 6.1 L6	C5VI150B		L6	6.057	201.1	2100	105.3	645.3	1450	126.5	1	N/A	
TCD 6.1 L6	C5VI140		L6	6.057	187.7	2100	98	608.4	1450	119.3	1	N/A	
TCD 6.1 L6	C5VI140A		L6	6.057	187.7	2000	101	608.4	1450	119.3	1	N/A	
TCD 6.1 L6	C5VI180ZU		L6	6.057	241.3	2000	133	737.5	1450	148	1	N/A	