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
2024	RDZXL03.6060	Diesel	Dedicated	Diesel	Variable 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), 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/kWh-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 75 ≤ kW < 130	STD	0.19	0.40	5.0	0.02	*	*	*
	FEL	*	*	*	*	*	*	*
	NTE	0.28	0.60	6.2	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 16th day of August 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RDZXL03.6060 EO Number: U-R-013-0720 Date Applicable: 07/24/2023

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	Liters	horsepower	rpm	lb/hr	N-m	rpm	lb/hr	-	-	-
TCD3.6L4	CFXI100D		L4	3.621	134.1	2000	50.2	500	1600	40.7	1	N/A	
TCD3.6L4	CFXT88U		L4	3.621	117.9	2200	45.9	500	1600	40.8	1	N/A	
TCD3.6L4	CFXT61U		L4	3.621	83.8	2200	33.2	360	1600	29.1	1	N/A	
TCD3.6L4	CFXI85BU		L4	3.621	113.9	2000	42.4	460	1600	37.3	1	N/A	
TCD3.6L4	CFXT92U		L4	3.621	123.3	2200	47.6	500	1600	40.8	1	N/A	
TCD3.6L4	CFXT83U		L4	3.621	111.2	2200	42.5	476	1600	37.3	1	N/A	
TCD3.6L4	CFXT68U		L4	3.621	93.1	2200	35.6	397	1600	31.6	1	N/A	
TCD3.6L4	CFXT70U		L4	3.621	93.8	2200	36.1	397	1600	31.6	1	N/A	
TCD3.6L4	CFXI85U		L4	3.621	113.9	2300	45.5	460	1600	37.3	1	N/A	
TCD3.6L4	CFXI95U		L4	3.621	127.3	2300	50.2	500	1600	40.7	1	N/A	
TCD3.6L4	CFXT95U		L4	3.621	127.3	2200	49.3	500	1600	40.8	1	N/A	
TCD3.6L4	CFXI80U		L4	3.621	107.2	2300	43.2	430	1600	34.9	1	N/A	
TCD3.6L4	CFXI90U		L4	3.621	120.6	2300	47.8	480	1600	39	1	N/A	
TCD3.6L4	CFXI74AU		L4	3.621	99.7	2200	37.6	410	1600	32.7	1	N/A	
TCD3.6L4	CFXI80AU		L4	3.621	107.2	2200	41.8	430	1600	34.9	1	N/A	
TCD3.6L4	CFXI80BU		L4	3.621	107.2	2000	40	430	1600	34.9	1	N/A	
TCD3.6L4	CFXT69U		L4	3.621	93.1	2200	35.6	397	1600	31.6	1	N/A	
TCD3.6L4	CFXI74U		L4	3.621	99.7	2300	39.2	410	1600	32.7	1	N/A	
TCD3.6L4	CFXI74BU		L4	3.621	99.7	2000	36.3	410	1600	32.7	1	N/A	
TCD3.6L4	CFXI95BU		L4	3.621	127.3	2000	47.5	500	1600	40.7	1	N/A	
TCD3.6L4	CFXI90AU		L4	3.621	120.6	2200	46.5	480	1600	39	1	N/A	
TCD3.6L4	CFXI95AU		L4	3.621	127.3	2200	49.3	500	1600	40.7	1	N/A	
TCD3.6L4	CFXI100C		L4	3.621	134.1	2200	52	500	1600	40.7	1	N/A	
TCD3.6L4	CFXT85U		L4	3.621	114.5	2200	43.5	480	1600	38	1	N/A	
TCD3.6L4	CFXI85AU		L4	3.621	113.9	2200	44.2	460	1600	37.3	1	N/A	
TCD3.6L4	CFXT75U		L4	3.621	99.9	2200	39.1	420	1600	33.7	1	N/A	
TCD3.6L4	CFXT100U		L4	3.621	134.1	2200	52.7	500	1600	40.8	1	N/A	
TCD3.6L4	CFXT77U		L4	3.621	103.2	2200	40	440	1600	35.1	1	N/A	
TCD3.6L4	CFXI100U		L4	3.621	134.1	2300	52.8	500	1600	40.7	1	N/A	
TCD3.6L4	CFXI70U		L4	3.621	93.8	2200	35.7	390	1600	31.1	1	N/A	
TCD3.6L4	CFXT87U		L4	3.621	117.9	2200	45.9	500	1600	40.9	1	N/A	
TCD3.6L4	CFXT62U		L4	3.621	83.8	2200	33.2	360	1600	29.1	1	N/A	
TCD3.6L4	CFXT94U		L4	3.621	127.3	2200	49.3	500	1600	40.9	1	N/A	
TCD3.6L4	CFXT99U		L4	3.621	134.1	2200	52.7	500	1600	40.9	1	N/A	
TCD3.6L4	CFXT84U		L4	3.621	114.5	2200	43.5	480	1600	38	1	N/A	
TCD3.6L4	CFXT74U		L4	3.621	99.9	2200	39.1	420	1600	33.7	1	N/A	
TCD3.6L4	CFXT82U		L4	3.621	111.2	2200	42.5	476	1600	37.3	1	N/A	
TCD3.6L4	CFXT76U		L4	3.621	103.2	2200	40	440	1600	35.1	1	N/A	
TCD3.6L4	CFXI90BU		L4	3.621	120.6	2000	44.9	480	1600	39	1	N/A	