

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below 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	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2008	8VEXL03.2TCI	3.2	Diesel	8000
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT	APPLICATION
Direct Dies	el Injection, Turbocharg and Exhaust Gas Rec	1	Loader, Tractor, Dozer a	nd Generator Set

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED	EMISSION			E	EXHAUST (g/kw-l	nr)		OF	PACITY (%	<b>6</b> )
POWER	STANDARD CATEGORY	١	HC	NOx	имнс+иох	co	PM	ACCEL	LUG	PEAK
37 ≤ kW < 56	Tier 4 Interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT			4.6	1.6	0.24	7	7	10

**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this \_\_\_\_\_\_ day of February 2008.

Annette Hebert, Chief

Mobile Source Operations Division

## AMANAEN Palate | Engine Model Summary Template

U-R-015-0143

Engine Family	1.Engine Code	Engine Family 1.Engine Code 2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: 5.Fuel Rate: mm/stroke @ peak HP(lbs/hr) @ peak HP 6.Torque @ RPM (for diesel only) (for diesels only) (SEA Gross)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque		8.Fuel Rate: 9.Emission Control (Ibs/hr)@peak torqueDevice Per SAE J1930
BVEXI 03.2TCI	A/N	F5AE9454H*A 71 @ 2300	71 @ 2300	25	N/A	204 @ 1250	65	N/A	NIA DOL EM. SPL. TC., EGR
8VEXI 03 2TCI	NA A	F5AE9454F*A	64 @ 2500	50	A/N	181 @ 1250	61	N/A	EM. SPL. TC.
RVEXI 03 2TCI	интический положений положений положений положений положений положений положений положений положений положений N/A	F5AE9454D*A 74 @ 2500	74 @ 2500	57	N/A	207 @ 1250	99	N/A	EM, SPL, TC.
SVEXIOS OTOI	TIN	ESCE9455B*A	65 @ 1800		N/A	197 @ 1800	65	N/A	EM. SPL. TC.
SVEXION TOTAL	низистический температичний выпражений польтический выпражений выстражений выпражений выстражений выпражений	F5CE9454E*A		57	N/A	207 @ 1250	99	N/A	EM. SPL. TC.
SVEXION STC	прочить и и и и и и и и и и и и и и и и и и	F5CE9454C*A	54 @ 2300	45.7	N/A	177 @ 1250	59.6	A'N	EM. SPL. TC.
8VEXL03,2TCI	no vinegeo como se mante transferimente como como como como como como como com	F5CE9454G*A	64 @ 2300	533.0	N/A	203 @ 1250	65.8	N/A	$\bigvee$ EM. SPL. TC. $\bigvee$