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)
2007	7CEXL019.AAD	19.0	Diesel	8000
	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT	APPLICATION
Engin	e Control Module, Direct Turbocharger, Charge	Diesel Injection, Air Cooler	Loader and D	ozer

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, 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-ł	nr)		OF	PACITY (%	.)
POWER CLASS	STANDARD CATEGORY	-	нс	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
225 <u><</u> kW < 560	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT			3.8	1.8	0.16	14	4	21

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

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.

This Executive Order hereby supersedes Executive Order U-R-002-0366 dated November 6, 2006.

Executed at El Monte, California on this ______ day of July 2007.

Annette Hebert, Chief Mobile Source Operations Division

W-R-002-0366-1

Engine Model Summary Form ATTACHENT RS (of)

Manufacturer:Cummins Inc.Engine category:Nonroad ClEPA Engine Family:7CEXL019.AADMfr Family Name:D193

Running Change

Process Code:

8533:FR4451 CSK19-C 750@2000 417 417 417 8533:FH4416 CSK19-C 700@2000 390 390 8533:FH4430 CSK19-C 700@2000 318 407 8533:FH4430 CSK19-C 506@1800 318 407 8605:FH4426 CSK19-C 506@1800 318 318 8605:FH4440 CSK19-C 506@1800 318 335 8605:FH4440 CSK19-C 560@2000 314 335 8605:FH4441 CSK19-C 560@1800 314 335 8533:FH4441 CSK19-C 560@1800 314 335 8533:FH4441 CSK19-C 506@1800 314 335 8533:FH4441 CSK19-C 506@1800 321 335 8533:FH4441 CSK19-C 506@1800 321 335 8533:FH4441 CSK19-C 506@1800 321 335 8533:FH4445 CSK19-C 506@1800 321 335 8533:FH445	1.Engine Code 2.1	2.Engine Model	3.BHP@RPM (SAE Gross)	 4. Fuel Rate: mm/stroke @ peak HP (for diesel only) 	5. Fuel Rate: (Ibs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
QSK19-C 700@2000 3 QSK19-C 675@1800 4 QSK19-C 506@1800 3 QSK19-C 525@2000 3 QSK19-C 560@2000 3 QSK19-C 700@1800 4 QSK19-C 700@1800 3 QSK19-C 506@1800 3 QSK19-C 500 3 QSK19-C 550 3 QSK19-C 550 3 QSK19-C 550 3		QSK19-C	750@2000	417 20	181 281 281 281 281 281 281 281 281 281	2200@1500	457	231	DDI.TC,ECM,C
OSK19-C 675@1800 4 OSK19-C 506@1800 3 OSK19-C 506@1800 3 OSK19-C 506@1800 3 OSK19-C 560@2000 3 OSK19-C 560@2000 3 OSK19-C 560@2000 3 OSK19-C 560@1800 4 OSK19-C 560@1800 3 OSK19-C 506@1800 3 OSK19-C 700 1800 OSK19-C 675 1800 OSK19-C 550 3 OSK19-C 675 1800 OSK19-C 550 3 OSK19-C 550 3 OSK19-C 560 3 OSK19-C 560 3 OSK19-C 560 3 OSK19-C 560 3 OSK19-C 500 3 OSK19-C 500 3 OSK19-C 500 </td <td>3:FR4416</td> <td>QSK19-C</td> <td>700@2000</td> <td>390</td> <td>263</td> <td>2200@1500</td> <td>457</td> <td>231</td> <td>DDI,TC,ECM,C</td>	3:FR4416	QSK19-C	700@2000	390	263	2200@1500	457	231	DDI,TC,ECM,C
QSK19-C 506.001800 31 QSK19-C 525.002000 31 QSK19-C 560.002000 31 QSK19-C 560.002000 31 QSK19-C 560.002000 31 QSK19-C 560.002000 31 QSK19-C 700.001800 41 QSK19-C 506.001800 33 QSK19-C 506.001800 32 QSK19-C 700.00200 32 QSK19-C 500.00200 32 QSK19-C 500.00200 <td< td=""><td>3:FH4430</td><td>OSK19-C</td><td>675@1800</td><td>407</td><td>· 2476 · 24</td><td>2200@1500</td><td>457</td><td>231.0</td><td>DDI, TC, ECM, C</td></td<>	3:FH4430	OSK19-C	675@1800	407	· 2476 · 24	2200@1500	457	231.0	DDI, TC, ECM, C
QSK19-C 525.602000 25 QSK19-C 560.602000 31 QSK19-C 560.602000 32 QSK19-C 600.62000 32 QSK19-C 600.62000 31 QSK19-C 600.62000 32 QSK19-C 600.62000 32 QSK19-C 650.601800 31 QSK19-C 506.601800 32 QSK19-C 506.601800 33 QSK19-C 700.60200 33 QSK19-C 506.601800 33 QSK19-C 506.601800 33 QSK19-C 675.601800 33 QSK19-C 550.60200 33 QSK19-C 550.60200 33 QSK19-C 550.60200 33 QSK19-C 560.60200 33 QSK19-C 500.60200 33 QSK19-C 500.60200 <td< td=""><td>9:FR4426</td><td>QSK19-C</td><td>506@1800</td><td>318</td><td>193</td><td>1844@1200</td><td>399</td><td>175</td><td>DDI,TC,ECM,C</td></td<>	9:FR4426	QSK19-C	506@1800	318	193	1844@1200	399	175	DDI,TC,ECM,C
QSK19-C 560@2000 31 QSK19-C 560@2000 32 QSK19-C 700@1800 41 QSK19-C 566@1800 32 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 700 2000 QSK19-C 600 2000 QSK19-C 600 2000 QSK19-C 600 2000 QSK19-C 600 2000 QSK19-C 560 2000 QSK19-C 500 23	5.FR4426	QSK19-C	525@2000	298	201.2	1775@1500	3 91	1977 F	DDI,TC,ECM,O
QSK19-C 600@2000 33 QSK19-C 700@1800 41 QSK19-C 650@1800 33 QSK19-C 650@1800 32 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 700 @ 2000 32 QSK19-C 675 @ 1800 40 QSK19-C 560 @ 2000 32 QSK19-C 560 @ 2000 32 QSK19-C 560 @ 2000 33	5:FR4439	QSK19-C	560@2000	314	212.0	1755@1500	386	195.3	DDI,TC,ECM,C
QSK19-C 700@1800 41 QSK19-C 650@1800 33 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 700 @ 2000 32 QSK19-C 675 @ 1800 40 QSK19-C 675 @ 1800 31 QSK19-C 675 @ 1800 20 QSK19-C 675 @ 1800 20 QSK19-C 560 @ 2000 31	5:FR4440	OSK19-C	600@2000	335	225[6-5-	1950@1500	14 M	210.9	DDI,TC,ECM,C
QSK19-C 650@1800 33 QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 700 @ 2000 38 QSK19-C 700 @ 2000 36 QSK19-C 700 @ 2000 38 QSK19-C 700 @ 2000 38 QSK19-C 675 @ 1800 40 QSK19-C 675 @ 1800 20 QSK19-C 560 @ 2000 31	3:FR4443	QSK19-C	700@1800	417	253.4	2200@1500	457	231.0	DDI,TC,ECM,C
QSK19-C 506@1800 32 QSK19-C 506@1800 32 QSK19-C 700 @ 2000 38 QSK19-C 700 @ 2000 38 QSK19-C 700 @ 2000 40 QSK19-C 675 @ 1800 40 QSK19-C 675 @ 1800 40 QSK19-C 560 @ 2000 31 QSK19-C 560 @ 2000 23	3:FR4438	QSK19-C	650@1800	395 are	240.0	2200.001500	457	231.0	DDI,TC,ECM,C
QSK19-C 506.00 1800 32 QSK19-C 700.00 2000 38 QSK19-C 700.00 2000 38 QSK19-C 700.00 2000 40 QSK19-C 675.00 1800 40 QSK19-C 556.00 2000 31 QSK19-C 556.00 2000 31 QSK19-C 560.00 2000 31 QSK19-C 560.00 2000 31 QSK19-C 560.00 2000 31 QSK19-C 555.00 2000 31 QSK19-C 5600 00 2000 31):FR4441	QSK19-C	506@1800	321	195.0	2032@1300	417	183.0	DDI,TC,ECM,C
OSK19-C 700 @ 2000 38 QSK19-C 700 @ 2000 41 QSK19-C 675 @ 1800 40 QSK19-C 675 @ 1800 40 QSK19-C 560 @ 2000 31 QSK19-C 560 @ 2000 23 QSK19-C 560 @ 2000 23 QSK19-C 525 @ 2000 23 QSK19-C 525 @ 2000 23	N:FR 4461	QSK19-C	506@1800	321	195.0	2032@13001	21 7	183,0	DDI,TC,ECM,C
QSK19-C 700 @ 1800 QSK19-C 675 @ 1800 QSK19-C 550 @ 2000 QSK19-C 550 @ 2000 QSK19-C 525 @ 2000 QSK19-C 520 @ 2000 QSK19-C 500 @ 2000	t:FR4466	QSK19-C	700 @ 2000	389	263.0	2200 @ 1500	457	231.0	DDI,ECM,TC,C
QSK19-C 675 0 1800 QSK19-C 560.0 2000 360.0 </td <td>t:FR4468</td> <td>QSK19-C</td> <td>700 @ 1800</td> <td>47</td> <td>253.0</td> <td>2200 @ 1500</td> <td>457</td> <td>231.0</td> <td>DDI,ECM,TC,O</td>	t:FR4468	QSK19-C	700 @ 1800	47	253.0	2200 @ 1500	457	231.0	DDI,ECM,TC,O
QSK19-C 560 @ 2000 QSK19-C 525 @ 2000 QSK19-C 600 @ 2000	t:FR4467	QSK19-C	675 @ 1800	407	247.0	2200 @ 1500	457	231.0	DDI,ECM,TC,C
OSK19-C 525 @ 2000 OSK19-C 600 @ 2000	5.FR4473	QSK19-C	560.012000	314	212.01 PM	1755 @ 1500	386	195.0	DDI.ECW.TC,C
QSK19-C	5:FR4472	QSK19-C	525 @ 2000	298	201.0	1775 @ 1500	391	198.0	DDI,ECM,TC,C
	5;FR4501	QSK19-C	600 @ 2000	334	- 1 225.61	1950 @ 1500	417	210.9	DDI,ECM,TC,C
2757:FR4497 QSK19-C 506.0 1800 321	7:FR4497	QSK19-C	506 @ 1800	321	195.0	2032 @ 1300	417	183.0	DDI,ECM,TC,C