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	7CEXL060.AAB	60.0	Diesel	8000			
SPECIAL	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION				
Direct Dies	el Injection, Turbocharg Engine Control Mo	er, Charge Air Cooler, odule	Mine Truc	k			

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 STANDARD CATEGORY		EXHAUST (g/kw-hr)				OPACITY (%)			
POWER CLASS			нс	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
kW > 560	Tier 2	STD	N/A	N/A	6.4	3.5	0.20	20	15	50
		FEL	N/A	N/A	N/A	N/A	0.17	N/A	N/A	N/A
		CERT			6.0	1.1	0.10	15	5	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 cancels and replaces Executive Order U-R-002-0374 dated November 6, 2006.

Executed at El Monte, California on this _____ day of September 2007.

Annette Hebert, Chief Mobile Source Operations Division

Engine Model Summary Form ATTAKINHEUT (*) U-R-002-0374-1

Manufacturer: Cummins Inc. Engine category: Nonroad Cl EPA Engine Family. 7CEXL060.AAB Mfr Family Name: C593 New Submission

Process Code:

DDI,ECM,TC,CA DDI,ECM,TC,CAC 8. Fuel Rate: 9. Emission Control (lbs/hr)@peak torque Device Per SAE J1930 DDI,ECM,TC,C\ DDI,ECM,TC,C DDI,ECM,TC,C DDI,ECM,TC,C DDI,ECM,TC,C DDI,ECM,TC,C 757.0 698.0 592.0 592.0 713.0 705.9 592.0 592.0 mm/stroke@peak torque 7.Fuel Rate: 518 439 439 529 439 561 523 439 7257 @ 1500 6169 @ 1500 6169 @ 1500 6.Torque @ RPM (SEA Gross) 7840@1500 7257@1500 6169@1500 6169@1500 7257@1500 5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only) 926.0 858.0 688.0 669.0 765.0 688.0 669.0 871.2 4.Fuel Rate: mm/stroke @ peak HP ((for diesel only) 542 502 425 416 473 510 425 416 1944 @ 1800 2500 @ 1900 2000 @ 1800 3.BHP@RPM (SAE Gross) 2000@1800 1944@1800 2700@1900 2500@1900 2250@1800 2.Engine Model QSK60-C QSK60-C QSK60-C QSK60-C QSK60-C QSK60-C QSK60-C QSK60-C 1.Engine Code 1773:FR 6513 8593;FR6505 0208:FR6508 0208:FR6509 8593.FR6506 1773;FR6508 1773;FR6509 8593:FR6471

DDI,ECM,TC,C V

600.7 698.0

445

6169 @ 1500

665.8 767.0

411 474

QSK60-C QSK60-C

2766:FR6614 2763:FR6619

7257 @ 1500

517

DDI,ECM,TC,C