Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9:

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in diesel or incomplete medium-duty vehicles with a manufacturer's GVWR from 8501 to 14000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	EMISSION STD CATEGORY 2	FUEL TYPE 1	STANDARDS & TEST PROCEDURE	ENGINE SIZES (L)	ECS & SPECIAL FEATURE	s <sup>3</sup>	OBD COMPLIANCE	
2010	ACEXH0408BAK	ULEV	Diesel	Diesel	6.7	DDI, TC, CAC , ECM, EGR,OC SCR-U	OBD(P)		
	ENGINE MODELS / CODES (rated power, in hp)								
	ISB6.7 305 / 2787;FR92397 (305), ISB6.7 305 / 2792;FR92412 (305)								
	• • • • • • • • • • • • • • • • • • • •								
	•								
	•								
L≃liter; hp=	horsepower; kw=kilowatt;	-	•		• •	CFR 86.abc=Title 40, Code of Federal	-	Section 86.abc; (2006dec22)	

SULEV / ULEV / LEV=super ultra / ultra / low emission vehicle;

3 SOLEY / LEV > LE

Following are: 1) the FTP exhaust emission standards or family emission limit(s) as applicable under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For dual- and flexible-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel.)

	NMHC		NOx		NMHC+NOx		CO		PM		нсно	
_	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15,5	0.01	0.01	0.050	0.050
FEL	•	*	0.50	0.50	*	*	•	•	*	*	*	*
CERT	0.02	0.005	0.38	0.33	•	*	0.01	0.00	0.001	0.002	0.001	0.000
NTE	0.21		0.75		•		•		0.02		0.075	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not-to-Exceed emission limit; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the optional emission standards and test procedures in 13 CCR 1956.8 applicable to diesel or incomplete medium-duty vehicles with a GVWR from 8501 to 14000 pounds and, therefore, shall be subject to 13 CCR 2139(c) (in-use testing of engines certified for use in diesel or incomplete medium-duty vehicles with a 8501-14000 pound GVWR).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1968.2 (on-board diagnostic, full or partial compliance), and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: The listed engine models are conditionally certified. These engine models may be sold and or marketed prior to Cummins updating the engines with the revised SCR strategies approved by the Air Resources Board. Cummins shall ensure that engine models produced under this conditional Executive Order are reprogrammed in the field by December 31, 2010 to incorporate the ARB approved revised SCR strategies. The aforementioned reprogramming shall be implemented free of charge based upon a plan approved by the Air Resources Board. No later than June 30, 2010 engines models produced shall incorporate the ARB approved revised SCR strategies. Engine models produced after June 30, 2010 not incorporating the ARB approved SCR strategies will be deemed uncertified and shall be subject to penalties authorized by California laws.



CUMMINS, INC.

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

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this \_\_\_\_\_\_\_

day of April 2010.

Annette Hebert, Chief Mobile Source Operations Division

## **Engine Model Summary Template**

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Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	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: (lbs/hr)@peak torque	9.Emission Control PDevice Per SAE J1930
ACEXH0408BAK	2787;FR92397	ISB6.7 305	305@2900	123	120	610@1600	118	63.8	SCRC PTOX,
ACEXH0408BAK	2792;FR92412	ISB6.7 305	305@2900	123	120	610@1600	118	63.8	SCRC, PTOX,

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