California Environmental Protection Agency AIR RESOURCES BOARD	AGCO SISU DIESEL INC.	EXECUTIVE ORDER U-R-050-0017 New Off-Road Compression-Ignition Engines

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)
2009	9SIDL07.4G5B	7.4, 6.6	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module and Smoke Puff Limiter	Tractor and Industrial Equipment

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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ KW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.7	0.6	0.18	10	2	32

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 24th day of December 2009.

D Nguyen
for
Annette Hebert, Chief
Mobile Source Operations Division

ATTACHMENT 1 OF 1

Engine Model Summary Template

U-R-050-0017
12/23/09

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 Device Per SAE J1930
9SIDL07.4G5B		74.382 CTA-4V	235@2200	128	93.9	885@1500	194	97.0	DDI, ECM, SPL, TC, CAC
9SIDL07.4G5B		74.391 CTA-4V	240@2200	124	90.9	790@1500	161	80.5	DDI, ECM, SPL, TC, CAC
9SIDL07.4G5B		74.392 CTA-4V	224@2200	115	84.3	715@1500	144	72.0	DDI, ECM, SPL, TC, CAC
9SIDL07.4G5B		74.394 CTA-4V	224@2200	115	84.3	715@1500	144	72.0	" SPL "
9SIDL07.4G5B		74.398 CTA-4V	214@2200	113	82.9	684@1500	141	70.5	" SPL "
9SIDL07.4G5B		66.386 CTA-4V	205@2200	108	79.2	612@1500	120	60.0	" SPL "
9SIDL07.4G5B		66.387 CTA-4V	182@2200	95	69.7	553@1500	111	55.5	" SPL "
9SIDL07.4G5B		66.407 CTA-4V	177@2200	93	68.2	490@1500	104	52.0	" SPL "
9SIDL07.4G5B		74.443 CTA-4V	240@2200	124	90.9	824@1500	161	80.5	" SPL "
9SIDL07.4G5B		74.444 CTA-4V	240@2200	124	90.9	824@1500	161	80.5	" SPL "
9SIDL07.4G5B		66.431 CTA-4V	178@2200	96	70.4	546@1500	110	55.0	" SPL "
9SIDL07.4G5B		66.393 CTA-4V	196@2200	101	74.1	695@1500	131	65.5	" SPL "
9SIDL07.4G5B		66.402 CTA-4V	185@2200	95	69.7	677@1500	126	63.0	" SPL "
9SIDL07.4G5B		74.425 CTA-4V	205@2200	109	79.9	638@1500	121	60.5	" SPL "
9SIDL07.4G5B		74.424 CTA-4V	182@2200	97	71.1	577@1500	114	57.0	" SPL "
9SIDL07.4G5B		74.423 CTA-4V	177@2200	95	69.7	515@1500	104	52.0	" SPL "
9SIDL07.4G5B		74.463 CTA-4V	272@2000	150	100.0	765@1800	155	93.0	" SPL "
9SIDL07.4G5B		74.472 CTA-4V	272@2200	142	104.1	765@1800	150	90.0	" SPL "
9SIDL07.4G5B		74.545 CTA-4V	190@2200	100	73.3	615@1500	119	59.5	" SPL "
9SIDL07.4G5B		74.546 CTA-4V	202@2200	108	79.2	654@1500	125	62.5	" SPL "
9SIDL07.4G5B		74.572 CTA-4V	240@2200	124	90.9	790@1500	161	80.5	" SPL "