California Environmental Protection Agency AIR RESOURCES BOARD	AGCO SISU POWER INC.	EXECUTIVE ORDER U-R-050-0030 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)
2011	BSIDL07.4G6A	7.4, 6.6, 4.9	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Smoke Puff Limiter, Selective Catalytic Reduction-Urea	Tractor, Combine, Sprayer

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), 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 (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 - ALT NOx	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	1.6	--	0.1	0.02	--	--	--

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 February 2011.

Annette Hebert, Chief
Mobile Source Operations Division

U-R-050-0030

2/24/11

Engine Model Summary Template

ATTACHMENT

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
BSIDL07.4G6A		74AWI.663	279@2100	142	99.4	950@1500	168	84.0	SPL, SCRC, ECM, DDI, TAA
BSIDL07.4G6A		74AWI.689	226@2100	115	80.5	800@1500	143	71.5	SPL, SCRC,
BSIDL07.4G6A		74AWI.690	218@2100	112	78.4	792@1500	141	70.5	SPL, SCRC,
BSIDL07.4G6A		74AWI.691	244@2100	124	86.8	857@1500	153	76.5	SPL, SCRC,
BSIDL07.4G6A		74AWI.692	248@2100	125	87.5	881@1500	156	78.0	SPL, SCRC,
BSIDL07.4G6A		74AWI.668	210@2100	104	72.8	769@1500	144	72.0	SPL, SCRC,
BSIDL07.4G6A		74AWI.670	240@2100	122	85.4	846@1500	159	79.5	SPL, SCRC,
BSIDL07.4G6A		66AWI.700	220@2100	112	78.4	765@1500	137	68.5	SPL, SCRC,
BSIDL07.4G6A		49AWI.702	197@2100	151	70.5	600@1500	158	52.7	SPL, SCRC,
BSIDL07.4G6A		49AWI.701	138@2100	106	49.5	477@1500	128	42.7	SPL, SCRC,
BSIDL07.4G6A		66AWI.693	165@2100	85	59.5	573@1500	105	52.5	SPL, SCRC,
BSIDL07.4G6A		66AWI.694	178@2100	91	63.7	608@1500	110	55.0	SPL, SCRC,
BSIDL07.4G6A		66AWI.695	165@2100	85	59.5	569@1500	105	52.5	SPL, SCRC,
BSIDL07.4G6A		66AWI.696	189@2100	96.5	67.6	646@1500	117	58.5	SPL, SCRC,
BSIDL07.4G6A		66AWI.697	200@2100	103.5	72.5	711@1500	129	64.5	SPL, SCRC,
BSIDL07.4G6A		66AWI.698	212@2100	111	77.7	754@1500	136.5	68.3	SPL, SCRC,
BSIDL07.4G6A		66AWI.699	205@2100	105	73.5	725@1500	131	65.5	SPL, SCRC,