California Environmental Protection Agency AIR RESOURCES BOARD	AGCO SISU POWER INC.	EXECUTIVE ORDER U-R-050-0026 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	BSIDL07.4G5C	7.4, 6.6, 4.9, 4.4	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module and Smoke Puff Limiter	Tractor and Other 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
75 ≤ KW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		CERT	--	--	3.7	0.9	0.18	7	2	24

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 27 day of January 2011.

Annette Hebert, Chief
Mobile Source Operations Division

ATTACHMENT 1 OF 2

Engine Model Summary Template

U-R-050-0026
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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 Device Per SAE J1930
BSIDL07.4G5C		74.408 CTA-4V	169@2200	91	66.7	865@1500	177	88.5	ECM, DPF, SPL, TC, CAC
BSIDL07.4G5C		66.403 CTA-4V	174@2200	90	66.0	643@1500	122	61.0	— " — SPL — " —
BSIDL07.4G5C		66.430 CTA-4V	155@2200	80	58.7	547@1500	103	51.5	— " — SPL — " —
BSIDL07.4G5C		66.433 CTA-4V	139@2200	72	52.8	530@1500	100	50.0	— " — SPL — " —
BSIDL07.4G5C		66.458 CTA-4V	168@2200	89	65.3	508@1500	104	52.0	— " — SPL — " —
BSIDL07.4G5C		66.448 CTA-4V	165@2200	87	63.8	569@1500	110	55.0	— " — SPL — " —
BSIDL07.4G5C		66.457 CTA-4V	146@2200	78	57.2	446@1500	87	43.5	— " — SPL — " —
BSIDL07.4G5C		66.451 CTA-4V	154@2200	83	60.9	500@1500	97	48.5	— " — SPL — " —
BSIDL07.4G5C		66.447 CTA-4V	131@2200	71	52.1	423@1500	83	41.5	— " — SPL — " —
BSIDL07.4G5C		66.467 CTA-4V	131@2200	71	52.1	423@1500	83	41.5	— " — SPL — " —
BSIDL07.4G5C		49.432 CWA	148@2200	115	56.2	513@1500	141	47.0	— " — SPL — " —
BSIDL07.4G5C		44.435 CWA	136@2200	107	52.3	481@1500	136	45.3	— " — SPL — " —
BSIDL07.4G5C		44.436 CWA	126@2200	99	48.4	450@1500	127	42.3	— " — SPL — " —
BSIDL07.4G5C		44.487 CWA	115@2200	92	45.0	415@1500	116	38.7	— " — SPL — " —
BSIDL07.4G5C		49.580 CWA	168@2200	134	65.5	577@1500	171	57.0	— " — SPL — " —
BSIDL07.4G5C		49.477 CWA	151@2200	126	61.6	500@1500	146	48.7	— " — SPL — " —
BSIDL07.4G5C		49.539 CWA	168@2200	134	65.5	577@1500	170	56.7	— " — SPL — " —
BSIDL07.4G5C		66.541 CTA-4V	143@2200	74	54.3	484@1500	93	46.5	— " — SPL — " —
BSIDL07.4G5C		66.542 CTA-4V	154@2200	80	58.7	519@1500	98	49.0	— " — SPL — " —
BSIDL07.4G5C		66.543 CTA-4V	165@2200	86	63.1	550@1500	103	51.5	— " — SPL — " —
BSIDL07.4G5C		49.615 CWA	168@2200	134	65.5	577@1500	170	56.7	— " — SPL — " —
BSIDL07.4G5C		66.632 CTA-4V	142@2200	74	54.3	500@1500	97	48.5	— " — SPL — " —
BSIDL07.4G5C		66.633 CTA-4V	131@2200	69.5	51.0	461@1500	89	44.5	— " — SPL — " —
BSIDL07.4G5C		66.664 CTA-4V	167.5@2300	87	66.7	577@1500	110	55.0	— " — SPL — " —
BSIDL07.4G5C		74.665 CTA-4V	170@2300	88	67.5	615@1500	117	58.5	— " — SPL — " —
BSIDL07.4G5C		74.666 CTA-4V	173@2300	89	68.2	654@1500	124	62.0	— " — SPL — " —

ATTACHMENT 2 OF 2

Engine Model Summary Template

UR-050-0026
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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 Device Per SAE J1930
BSIDL07.4G5C		66.681 CTA-4V	167.5@2300	87	66.7	554@1500	106	53.0	ECM, IDI, SPL, TC, CAC
BSIDL07.4G5C		74.682 CTA-4V	170@2300	88	67.5	638@1500	121	60.5	— " — SPL — " —
BSIDL07.4G5C		74.683 CTA-4V	173@2300	89	68.2	638@1500	121	60.5	— " — SPL — " —