California Environmental Protection Agency **Air Resources Board**	**AGCO SISU DIESEL INC.**	**EXECUTIVE ORDER U-R-050-0040** 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)
2014	ESIDL03.3G7A	3.3	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Smoke Puff Limiter, Oxidation Catalyst, Exhaust Gas Recirculation	Tractor, Industrial Equipment

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
56 ≤ KW < 75	Interim Tier 4/ ALT NOx	STD	0.19	3.4	N/A	5.0	0.02	N/A	N/A	N/A
		CERT	0.06	2.9	--	0.2	0.01	--	--	--

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 17th day of October 2013.

Erik White, Chief
Mobile Source Operations Division

ATTACHMENT 1 OF 1

Engine Model Summary Template

WR-050-0040
10/8/2013

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
ESIDL03.3G7A		33AWI.788	96@2200	110	40.3	358@1600	143	38.1	DOC, ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.870	80@2200	88	32.3	266@1500	103	26.5	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.871	99@2200	109	40.0	315@1500	125	31.3	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWI.872	80@2200	93	34.1	279@1600	111	29.6	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWI.873	90@2200	102	37.4	311@1600	127	33.9	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWI.874	100@2200	111	40.7	318@1600	130	34.7	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.909	90@2200	102	37.4	387@1500	118	25.5	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.922	80@2200	90	33.0	267@1500	111	27.8	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.945	86@2200	93	34.1	285@1500	113	28.3	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.946	91@2200	98	35.9	273@1500	112	28.0	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.947	95@2200	105	38.5	315@1500	121	30.3	ECM,DDI,TC,CAC,SPL,EGR
ESIDL03.3G7A		33AWIC.948	100@2200	111	40.7	273@1500	112	28.0	ECM,DDI,TC,CAC,SPL,EGR