California Environmental Protection Agency AIR RESOURCES BOARD	Sisu Diesel Inc.	EXECUTIVE ORDER U-R-050-0001 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)
2005	5SIDL06.6I2A	6.6	Diesel	8000

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

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 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
		CERT	--	--	6.3	2.1	0.23	7	2	14

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 22ND day of March 2005.

Allen Lyons, Chief
Mobile Source Operations Division

Return to Template

Engine Model Summary Template

U-R-050-0001

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 Cont Device Per SAE J
SIDL06.6I2A		66.270 ET	172@2200	94	68.9	488@1600	104	55.5	DDI, TC, SPL ECM
SIDL06.6I2A	44.300	44.243 ET	114@2200	91	44.5	304@1900	94	39.7	ECM
SIDL06.6I2A	66.303	66.241 ET	127@2200	72	52.8	373@1800	77	46.2	ECM
SIDL06.6I2A	66.302	66.240 ET	147@2200	81	59.4	423@1800	87	52.2	ECM
SIDL06.6I2A	66.301	66.239 ET	173@2200	96	70.4	500@1800	103	61.8	ECM
SIDL06.6I2A	44.311	44.291 ET	103@2200	89	43.5	338@1500	105	35.0	ECM
SIDL06.6I2A	66.318	66.294 ET	133@2200	53	38.9	423@1500	61	30.5	ECM
SIDL06.6I2A	66.319	66.295 ET	118@2200	47	34.5	388@1500	56	28.0	ECM