

INTERNATIONAL TRUCK AND ENGINE CORPORATION

EXECUTIVE ORDER U-R-012-0061 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)			
2003	3NVXL0365AFA	5.98	Diesel	8000			
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION				
Direct Dies	sel Injection, Turbocharg and Engine Control I	er, Charge Air Cooler Module	Fuel Truck				

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	EMISSION STANDARD			ı	EXHAUST (g/kw-ł		OPACITY (%)			
CLASS	CATEGORY		HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 <u><</u> KW<225	Tier 2	STD	N/A	N/A	6.6	3.5	0.20	20	15	50
		CERT	1		3.8	0.8	0.09	4	2	13

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 // day of December 2003.

Allen Lyons, Chief

Mobile Source Operations Division

ATACAMENT 1 OF 1

Engine Model Summary Form

Manufacturer: International E. O. # U-R-12-61

Engine category: Nonroad CI

EPA Engine Family. 3NVXL0365AFA

Mfr Family Name: VT365

Process Code: New Submission

W-8-012-0061

	1	. O		 :		1. "	 		1.10	. Le 37-1	.
8.Fuel Rate: 9.Emisslon Control (lbs/hr)@peak torque Device Per SAE J1930	The state of the s	DI, ECM, TC, CAC									
8.Fuel Rate: (lbs/hr)@peak torque	Average	42.5									
7.Fuel Rate: mm/stroke@peak torque	Average	68.0		4							
6.Torque @ RPM (SEA Gross)	Advertised	460 @ 1400									
sq)	Average	73.7	TANKAN MANAGAMAN				The same arms arms are same as a sam	THE CONTRACTOR OF THE CONTRACT			
4.Fuel Rate: mm/stroke @ peak HP (for diesei only)	Average	63.5			The state of the s						
3.BHP@RPM (SAE Gross)	Advertised	175 @ 2600									
2.Engine Model		A175							C.		
1.Engine Code	182	A175									