

INTERNATIONAL TRUCK AND ENGINE CORPORATION

EXECUTIVE ORDER A-004-0326 New On-Road Heavy-Duty Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

ENGINE EAM!! Y	ENGINE	FUEL TYPE	STANDARDS		ECS & SPECIAL FEATURES 3	IDLING EMISSIONS CONTROL				
ENGINE I AMICI	SIZES (L)				DDI, TC(2), CAC, ECM, EGR, OC,					
8NVXH0641AGA	10.4	Diesel	Diesel	HHDD	РТОХ	ESS				
(L) ENGINE MODELS / CODES (rated power, in hp)										
GDT390 / GDT390 (390), GDT370 / GDT370 / GDT330 / GDT330 (330)										
	•	8NVXH0641AGA 10.4	8NVXH0641AGA 10.4 Diesei Engine mode	8NVXH0641AGA 10.4 Diesel Diesel ENGINE SIZES (L) 8NVXH0641AGA 10.4 Diesel Diesel ENGINE MODELS / CODES (rate	BNVXH0641AGA 10.4 Diesel Diesel HHDD ENGINE FAMILY ENGINE SIZES (L) 8 TEST PROCEDURE CLASS CLASS ENGINE MODELS / CODES (rated power, in http://www.in.html)	ENGINE FAMILY SIZES (L) 8NVXH0641AGA 10.4 Diesel Diesel ENGINE SERVICE CLASS DDI, TC(2), CAC, ECM, EGR, OC, PTOX PROCEDURE BRINE MODELS / CODES (rated power, in hp)				

*=not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; L=titler; hp=horsepower; kw=kilowatt; hr=hour;

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavyduty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM		HCHO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	•	*	ŧ	15.5	15.5	0.01	0.01	*	+
FEL	*	*	1.20	1.20	1.2	1.2	*	*	*	*	•	*
CERT	0.00	0.00	1.03	0.87	1.1	0.9	0.03	0.01	0.000	0.002	*	*
NTE	0.21		1.80		1.8		19.4		0.02		*	

* g/bhp-hr=grams per brake horsepower-hour: FTP=Federal Test Procedure: EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing: NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [Otto engines] and the incorporated 40 CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

day of January 2008. Executed at El Monte, California on this

Mobile Source Operations Division

CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;

L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;

BOWN https://doi.org/10.1009/1