

File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER U-R-8-6
Relating to Certification of New Off-Road Compression-Ignition Engines

NEW HOLLAND U.K. LTD.

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-45-9;

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:

Model Year: 2001

Typical Equipment Usage: Tractor

Fuel Type: Diesel

<u>Engine Family</u>	<u>Engine Displacement (liters)</u>	<u>Useful Life (hours)</u>	<u>Emission Control Systems and Special Features</u>
1NHXL07.5A3V (675TAV)	7.5	8000	Direct Diesel Injection Turbocharger Charge Air Cooler Smoke Puff Limiter

Engine models and codes are listed on attachments. Production engines shall be in all material respects the same as those for which certification is granted.

The exhaust emission certification standards and certification values for hydrocarbons (HC), oxides of nitrogen (NOx), or non-methane hydrocarbons plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) (units are expressed in grams per kilowatt-hour (g/kw-hr)), and the opacity-of-smoke certification standards and certification values in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family are as follows (Title 13, California Code of Regulations, Section 2423):


<u>Engine Power Rating (kw)</u>	<u>Emission Standard Category</u>		<u>Exhaust Emissions (g/kw-hr)</u>					<u>Smoke Opacity (%)</u>		
			<u>HC</u>	<u>NOx</u>	<u>NMHC+NOx</u>	<u>CO</u>	<u>PM</u>	<u>Accel</u>	<u>Lug</u>	<u>Peak</u>
130≤KW<225	Tier 1	Standard	1.3	9.2	N/A	11.4	0.54	20	15	50
		Certification	0.4	7.6	--	0.8	0.36	8	11	15

BE IT FURTHER RESOLVED: That the listed engine models also comply with "Emission Control Labels— 1996 and Later Off-Road Compression-Ignition Engines" (Title 13, California Code of Regulations, Section 2424) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Sections 2425 and 2426).

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

Executed at El Monte, California this 15th day of February 2001.


R. B. Summerfield, Chief
Mobile Source Operations Division

Engine Model Summary Form

Attachment

EO # U-R-8-6

Manufacturer: **New Holland**
 Engine category: **Nonroad Over 50 Hp**
 EPA Engine Family: **1NHXL07.5A3V**
 Mfr Family Name: **675TA/V**
 Process Code: **New Submission**

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
N/A	675TAVY	286 @ 2100	214	151	N/A	870 @ 1600	171.5	N/A
N/A	675TAVB	260 @ 2100	195	130	N/A	854 @ 1500	167	DOE EM S.P.L. CAC. TC
N/A	675TAVH	196 @ 2100	147	105	N/A	671 @ 1500	132	DOE EM S.P.L. CAC. TC
N/A	675TAVA	226 @ 2100	169	114	N/A	754 @ 1500	147.5	DOE EM S.P.L. CAC. TC
N/A	675TAVJ	226 @ 2100	169	111.5	N/A	716 @ 1700	136	DOE EM S.P.L. CAC. TC
N/A	675TAVK	247 @ 2100	185	125	N/A	617 @ 1700	152	DOE EM S.P.L. CAC. TC
N/A	675TAVL	277 @ 2200	208	137	N/A	839 @ 1800	166	DOE EM S.P.L. CAC. TC
N/A	675TAVM	206 @ 2100	154.5	107.5	N/A	650 @ 1700	128.5	DOE EM S.P.L. CAC. TC
N/A	675TAVN	277 @ 2100	208	141.5	N/A	839 @ 1800	166	N/A
N/A	675TAVP	261 @ 2100	195	129.5	N/A	816 @ 1700	155	DOE EM S.P.L. CAC. TC
N/A	675TAVR	206 @ 2100	154.5	107.5	N/A	650 @ 1700	128.5	DOE EM S.P.L. CAC. TC
N/A	675TAVT	176 @ 2100	132	94	N/A	595 @ 1500	114	DOE EM S.P.L. CAC. TC
N/A	675TAVU	271 @ 2100	203	138	N/A	835 @ 1600	164	DOE EM S.P.L. CAC. TC
N/A	675TAVW	246 @ 2100	185	125	N/A	617 @ 1700	152	DOE EM S.P.L. CAC. TC
N/A	675TAVZ	286 @ 2100	214	151	N/A	870 @ 1600	171.5	DOE EM S.P.L. CAC. TC

EPA cert # NHX-NRB-01-01