

Full

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER U-R-8-5
Relating to Certification of New Heavy-Duty Off-Road Equipment Engines

NEW HOLLAND U.K. LTD.

Pursuant to the authority vested in the Air Resources Board at Sections 43000.5, 43013, and 43018 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9; and

IT IS ORDERED AND RESOLVED: That the following diesel engines and exhaust emission control systems produced by the manufacturer are certified as described below for use in heavy-duty off-road equipment:

Model Year: 2000

Typical Equipment Usage: Tractor

Engine Power Ratings Range: 175 – 750 horsepower, inclusive

Fuel Type: Diesel

<u>Engine Family</u>	<u>Displacement</u>		<u>Exhaust Emission Control Systems and Special Features</u>
	<u>Liters</u>	<u>Cubic Inches</u>	
YNHXL07.5A3V (675TAV)	7.5	458	Turbocharger Charge Air Cooler Smoke Puff Limiter

The 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 in grams per brake horsepower-hour (g/bhp-h) for total hydrocarbons (THC), carbon monoxide (CO), nitrogen oxides (NOx), and particulate matter (PM), and the opacity-of-smoke certification standards and certification values in percent (%) during acceleration (Accel), lugging (Lug), and the peak-values from either mode (Peak) for this engine family are as follows (Title 13, California Code of Regulations, Section 2423):

	<u>Exhaust Emissions (g/hp-h)</u>				<u>Smoke Opacity (%)</u>		
	<u>THC</u>	<u>CO</u>	<u>NOx</u>	<u>PM</u>	<u>Accel</u>	<u>Lug</u>	<u>Peak</u>
Standard	1.0	8.5	6.9	0.4	20	15	50
Certification	0.4	0.5	5.1	0.2	7	12	14

BE IT FURTHER RESOLVED: That the listed engine models comply with "Exhaust Emission Standards and Test Procedures -- Heavy-Duty Off-Road Diesel-Cycle Engines" (Title 13, California Code of Regulations, Section 2423) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed engine models also comply with "Emission Control Labels --1996 and Later Heavy-Duty Off-Road Diesel-Cycle 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 *et seq.*).

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

Executed at El Monte, California this 5th day of January 2000.



R. B. Summerfield, Chief
Mobile Source Operations Division

U-R-8-3

Engine Model Summary Form

Manufacturer: New Holland
Engine category: Nonroad Over 50 Hp
EPA Engine Family: YNHXL07.5A3V
Mfr Family Name: 675TAV
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	151	N/A	870 @ 1600	171.5	N/A	EM S.P.L. CAC. TC
N/A	675TAVB	260 @ 2100	130	N/A	854 @ 1500	167	N/A	EM S.P.L. CAC. TC
N/A	675TAVH	196 @ 2100	105	N/A	671 @ 1500	132	N/A	EM S.P.L. CAC. TC
N/A	675TAVA	226 @ 2100	114	N/A	754 @ 1500	147.5	N/A	EM S.P.L. CAC. TC
N/A	675TAVJ	226 @ 2100	111.5	N/A	716 @ 1700	136	N/A	EM S.P.L. CAC. TC
N/A	675TAVK	247 @ 2100	125	N/A	617 @ 1700	152	N/A	EM S.P.L. CAC. TC
N/A	675TAVL	277 @ 2200	137	N/A	839 @ 1800	166	N/A	EM S.P.L. CAC. TC
N/A	675TAVM	206 @ 2100	107.5	N/A	650 @ 1700	128.5	N/A	EM S.P.L. CAC. TC
N/A	675TAVN	277 @ 2100	141.5	N/A	839 @ 1800	166	N/A	EM S.P.L. CAC. TC
N/A	675TAVP	261 @ 2100	129.5	N/A	816 @ 1700	155	N/A	EM S.P.L. CAC. TC
N/A	675TAVR	206 @ 2100	107.5	N/A	650 @ 1700	128.5	N/A	EM S.P.L. CAC. TC
N/A	675TAVT	176 @ 2100	94	N/A	595 @ 1500	114	N/A	EM S.P.L. CAC. TC
N/A	675TAVU	271 @ 2100	138	N/A	835 @ 1600	164	N/A	EM S.P.L. CAC. TC
N/A	675TAVW	246 @ 2100	125	N/A	617 @ 1700	152	N/A	EM S.P.L. CAC. TC
N/A	675TAVZ	286 @ 2100	151	N/A	870 @ 1600	171.5	N/A	EM S.P.L. CAC. TC