SUMMARY OF OECD TEST 2696-NEBRASKA SUMMARY 858 NEW HOLLAND T6.155 DIESEL 24 SPEED

POWER TAKE-OFF PERFORMANCE

| Power HP (kW) | Crank shaft speed | Diesel Consumptic Gal/hr | lb/hp.hr | Hp.hr/g | | Mean Atmospheric |
|---------------------|-------------------------|--------------------------------|------------|-----------|------------|---|
| | rpm | (l/h) | (kg/kW.h) | (kW.h/l) | (l/h) | Conditions |
| | MA | XIMUM | POWER | AND F | UEL CO | NSUMPTION |
| | | Rated I | Engine Spe | ed—(PTC | speed—1 | 109 rpm) |
| 108.1 | 2100 | 6.50 | 0.419 | 16.62 | 0.29 | |
| (80.6) | | (24.62) | (0.255) | (3.27) | (1.11) | |
| | | Stand | ard Power | Take-off | Speed (100 | 0 rpm) |
| 112.8 | 1893 | 6.39 | 0.395 | 17.66 | 0.29 | 1 / |
| (84.1) | | (24.19) | (0.240) | (3.48) | (1.10) | |
| | | Max | imum Pow | er (1 hou | r) | |
| 113.0 | 1800 | 6.30 | 0.388 | 17.94 | 0.28 | |
| (84.3) | | (23.86) | (0.236) | (3.54) | (1.05) | |
| ARYING | POWE | R AND FU | JEL CON | SUMPT | ION | |
| 108.1 | 2100 | 6.50 | 0.419 | 16.62 | 0.29 | Airtemperature |
| (80.6) | | (24.62) | (0.255) | (3.27) | (1.11) | |
| 97.9 | 2238 | 6.29 | 0.447 | 15.57 | 0.27 | 68°F(20°C) |
| (73.0) | | (23.80) | (0.272) | (3.07) | (1.02) | |
| 74.2 | 2256 | 5.26 | 0.494 | 14.10 | 0.22 | Relative humidity |
| (55.3) | | (19.90) | (0.301) | (2.78) | (0.83) | |
| | 2273 | 4.21 | 0.590 | 11.82 | 0.15 | 29% |
| 49.8 | 2213 | | | (2.33) | (0.58) | |
| 49.8 (37.1) | 2275 | (15.93) | (0.359) | (2.55) | | |
| (37.1) 25.2 | 2292 | 3.15 | 0.874 | 7.99 | 0.07 | Barometer |
| (37.1) | | (/ | () | () | | Barometer |
| (37.1) 25.2 | | 3.15 | 0.874 | 7.99 | 0.07 | Barometer 29.3" Hg <i>(99.1 kPa)</i> |

Maximum torque - 347 lb.-ft. (470 Nm) at 1500 rpm

Maximum torque rise - 28.1%

Torque rise at 1700 engine rpm - 24%

Power increase at 1800 engine rpm - 5%

DRAWBAR PERFORMANCE (Unballasted - Front Drive Engaged) FUEL CONSUMPTION CHARACTERISTICS

| Power Hp (kW) | Drawbar pull lbs (kN) | Speed mph (km/h) | Crank- shaft speed rpm | Slip % | Fuel Con lb/hp.hr (kg/kW.h) | nsumption Hp.hr/gal (kW.h/l) | Temp. cool- ing med | °F (°C) Air dry bulb | Barom. inch Hg (kPa) |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|-----------------------------------|------------------------------------|------------------------------|-------------------------------|-------------------------------|
| | | Po | ower at Rat | ed Engi | ne Speed—1 | 2th (2MR) Go | ear | | |
| 87.3 (65.1) | 7645 (34.0) | 4.28 (6.89) | 2100 | 4.4 | 0.485 (0.295) | 14.37 (2.83) | 187 (86) | 84 (29) | 29.0 (98.1) |
| | | 75% | of Pullat I | Rated E | ngine Speed- | -12th (2MR) |) Gear | | |
| 70.8 (52.8) | 5735 (25.5) | 4.63 (7.46) | 2250 | 3.4 | 0.572 (0.348) | 12.18 (2.40) | 187 (86) | 84 (29) | 29.0 (98.1) |
| | | 50% | of Pullat I | Rated E | ngine Speed- | -12th (2MR) |) Gear | | |
| 48.1 | 3815 | 4.73 | 2269 | 2.2 | 0.654 | 10.66 | 189 | 84 | 29.0 |
| (35.9) | (17.0) | (7.61) | | | (0.398) | (2.10) | (87) | (29) | (98.1) |
| | | 75% of | Pull at Re | duced | Engine Speed | d—13th (3M) | Γ) Gear | | |
| 70.5 | 5710 | 4.63 | 1924 | 3.3 | 0.522 | 13.35 | 185 | 84 | 29.0 |
| (52.6) | (25.4) | (7.45) | | | (0.318) | (2.63) | (85) | (29) | (98.1) |
| | | 50% of | Pull at Re | duced | Engine Spee | d—13th (3M | T) Gear | | |
| 48.3 | 3820 | 4.74 | 1947 | 2.2 | 0.627 | 11.12 | 185 | 84 | 29.0 |
| (36.0) | (17.0) | (7.62) | | | (0.381) | (2.19) | (85) | (29) | (98.1) |

Location of tests: Istituto per le Macchine Agricole e Movimento Terra 73, Strada delle Cacce 10135 Torino Italy

Dates of tests: May, 2012.

Manufacturer: CNH Europe Holding S.A. 24, Boulevard Royal L-2449 Luxembourg

CONSUMABLE FLUIDS: Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F** (15°/15°C) 0.837 **Fuel weight** 6.97 lbs/gal (0.835 kg/l) **Diesel Exhaust Fluid (DEF)** 32% aqueous urea solution **DEF weight** 9.08 lbs/gal (1.091 kg/l) **Oil SAE** 10W30 **API service classification** CH-4 **Transmission and hydraulic lubricant** Akcela Nexplore fluid **Front axle lubricant** Akcela Nexplore fluid

ENGINE: Make CNH Diesel **Type** six cylinder vertical with turbocharger, air to air intercooler and SCR (selective catalyst reduction) exhaust treatment **Serial No.** 882756 **Crankshaft** lengthwise **Rated engine speed** 2100 **Bore and stroke** 4.094" x 5.197" (104.0 mm x 132.0 mm) **Compression ratio** 17.5 to 1 **Displacement** 410 cu in (6728 ml) **Starting system** 12 volt **Lubrication** pressure **Air cleaner** two paper elements and aspirator **Oil filter** one full flow cartridge **Oil cooler** engine coolant heat exchanger for crankcase oil, radiator for hydraulic and transmission oil **Fuel filter** one paper element **Muffler** underhood **Exhaust** vertical **Cooling medium temperature control** thermostat and variable speed fan

CHASSIS: Type front wheel assist Serial No. ZBBD01001 Tread width rear 56.3" (1430 mm) to 84.0" (2134 mm) front 61.4" (1560 mm) to 88.8" (2256 mm) Wheelbase 95.3" (2627 mm) Hydraulic $control\,system\, {\rm direct\, engine\, drive\, Transmission}$ selective gear fixed ratio with partial (8) range operator controlled powershift Nominal travel speeds mph (km/h) first 0.98 (1.58) second 1.20 (1.93) third 1.44(2.31) fourth 1.75(2.82) fifth 2.05 (3.30) sixth 2.46 (3.96) seventh 2.50 (4.03) eighth 2.98 (4.80) ninth 3.01 (4.84) tenth 3.39 (5.45) eleventh 3.64 (5.86) twelfth 4.41 (7.09) thirteenth 5.15 (8.28) fourteenth 5.95 (9.58) fifteenth 6.29 (10.12) sixteenth 7.28 (11.72) seventeenth 7.48 (12.04) eighteenth 8.72 (14.03) nineteenth 9.15 (14.73) twentieth 10.66 (17.16) twenty-first 12.45 (20.04) twenty-second 15.23 (24.51) twenty-third 18.12 (29.16) twenty-fourth 22.16 (35.67) reverse 1.01 (1.63), 1.24 (1.99), 1.49 (2.39), 1.81 (2.92), 2.12 (3.41), 2.54 (4.09), 2.59 (4.17), 3.08 (4.96), 3.11 (5.00), 3.72 (5.99), 3.76 (6.06), 4.55 (7.33), 5.31 (8.56), 6.16 (9.91), 6.51 (10.47), 7.53 (12.12), 7.74 (12.46), 9.01 (14.51), 9.46 (15.23), 11.03 (17.75), 12.87 (20.72), 15.75 (25.35), 18.73 (30.15), 22.92(36.88)

DRAWBAR PERFORMANCE

(Unballasted - Front Drive Engaged) MAXIMUM POWER IN SELECTED GEARS

| | | | | | | | | | - |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|------------------------------------|----------------------------------|-----------------------------|--------------------------------|-------------------------------|
| Power Hp (kW) | Drawbar pull lbs (kN) | Speed mph (km/h) | Crank- shaft speed rpm | Slip % | Fuel Cons lb/hp.hr (kg/kW.h) | umption Hp.hr/gal (kW.h/l) | Temp cool- ing med | o.°F(°C) Air dry bulb | Barom. inch Hg (kPa) |
| | | | - | 9t] | h(1MR)Gear | | | | |
| 77.1 (57.5) | 10655 (47.4) | 2.71 (4.37) | 2107 | 13.8 | 0.549 (0.334) | 12.69 (2.50) | 187 (86) | 77 (25) | 29.0 (98.2) |
| | | | | 10t | h(2MT) Gear | | | | |
| 85.7 | 10430 | 3.08 | 2052 | 8.6 | 0.501 | 13.91 | 185 | 77 | 29.0 |
| (63.9) | (46.4) | (4.96) | | | (0.305) | (2.74) | (85) | (25) | (98.2) |
| | | | | 11 | th(4LR)Gear | | | | |
| 85.8 | 9780 | 3.29 | 2031 | 8.1 | 0.503 | 13.86 | 187 | 84 | 29.0 |
| (64.0) | (43.5) | (5.30) | | | (0.306) | (2.73) | (86) | (29) | (98.2) |
| | | | | 19 | th(2MR) Gear | | | | |
| 90.3 | 8720 | 3.88 | 1917 | 5.2 | 0.472 | 14.77 | 185 | 77 | 29.0 |
| (67.3) | (38.8) | (6.24) | 1011 | 0.1 | (0.287) | (2.91) | (85) | (25) | (98.2) |
| | | | | | | | | | |
| 00.0 | | 1.00 | 1000 | | th(3MT) Gear | 1 4 55 | 105 | | 00.0 |
| 88.9 | 7780 | 4.29 | 1800 | 4.4 | 0.472 | 14.77 | 185 | 77 | 29.0 |
| (66.3) | (34.6) | (6.90) | | | (0.287) | (2.91) | (85) | (25) | (98.2) |
| | | | | | th(1HT) Gear | | | | |
| 90.0 | 6765 | 4.99 | 1799 | 3.9 | 0.444 | 15.68 | 185 | 79 | 29.0 |
| (67.1) | (30.1) | (8.02) | | | (0.270) | (3.09) | (85) | (26) | (98.2) |
| | | | | 15 | th(3MR)Gear | | | | |
| 91.1 | 6465 | 5.28 | 1800 | 3.6 | 0.439 | 15.89 | 187 | 79 | 29.0 |
| (67.9) | (28.7) | (8.50) | | | (0.267) | (3.13) | (86) | (26) | (98.2) |
| | | | | 16 | h(1HR) Gear | | | | |
| 90.5 | 5530 | 6.14 | 1800 | 3.2 | 0.465 | 14.97 | 185 | 81 | 29.0 |
| (67.5) | (24.6) | (9.88) | | | (0.283) | (2.95) | (85) | (27) | (98.2) |
| | | | | 17 | th(4MT) Coor | | | | |
| 89.8 | 5330 | 6.32 | 1800 | 3.0 | th(4MT) Gear 0.464 | 15.02 | 185 | 82 | 29.0 |
| (67.0) | (23.7) | (10.17) | 1000 | 5.0 | (0.282) | (2.96) | (85) | (28) | (98.2) |
| . , | . , | . , | | | . , | | () | () | () |
| 0 - 0 | 4450 | = 10 | 1000 | | th(2HT) Gear | 1 4 55 | 105 | 0.4 | 00.0 |
| 87.8 | 4450 | 7.40 | 1800 | 2.6 | 0.472 | 14.77 | 185 | 84 | 29.0 |
| (65.5) | (19.8) | (11.91) | | | (0.287) | (2.91) | (85) | (29) | (98.2) |
| | | | | 19 | th(4MR) Gear | | | | |
| 89.7 | 4315 | 7.80 | 1804 | 2.5 | 0.467 | 14.92 | 185 | 86 | 29.0 |
| (66.9) | (19.2) | (12.54) | | | (0.284) | (2.94) | (85) | (30) | (98.2) |
| | | | | 20 | th(2HR) Gear | | | | |
| 88.2 | 3640 | 9.09 | 1800 | 2.1 | 0.485 | 14.37 | 185 | 88 | 29.0 |
| (65.8) | (16.2) | (14.62) | | | (0.295) | (2.83) | (85) | (31) | (98.2) |
| (0).0) | (10.2) | (11.02) | | | (0.200) | (2.0) | (0)) | (21) | (20.2) |

Clutch wet disc hydraulically actuated by foot pedal **Brakes** wet disc hydraulically actuated by two foot pedals that can be locked together **Steering** hydrostatic **Power take-off** 540 rpm at 1593 engine rpm or 1000 rpm at 1894 engine rpm **Unladen tractor mass** 12435 lb (*5640 kg*)

REPAIRS AND ADJUSTMENTS: No repairs or adjustments

REMARKS: All test results were determined from observed data obtained in accordance with official OECD test procedures. This tractor did not meet the manufacturer's three point lift claim of 13468 lbs ($6109 \ kg$). The performance figures on this summary were taken from a test conducted under the OECD Code 2 test procedure.

We, the undersigned, certify that this is a true summary of data from OECD Report No. **2696**, Nebraska Summary 858, January 17, 2013.

Roger M. Hoy Director

> M.R. Riley P.J. Jasa J.D. Luck Board of Tractor Test Engineers

| | Front Whee | l Drive |
|-------------------------------|---------------------|------------------|
| TRACTOR SOUND LEVEL WITH CAB | Disengaged dB(A) | Engaged dB(A) |
| At no load in 12th (2MR) gear | 70.3 | 70.1 |
| Bystander | | |

TIRES AND WEIGHT

Rear tires - No.,size, ply & psi(kPa) Front tires - No.,size, ply & psi(kPa) Height of Drawbar Static Weight with operator- Rear - Front - Total

Tested Without Ballast

Two 600/65R38; **;12 (80) Two 480/65R28; **;12 (80) 15.9 in (405 mm) 7770 lb (3525 kg) 4830 lb (2190 kg) 12600 lb (5715 kg) This vehicle is equipped with an electronically controlled engine Power management system that monitors and boosts engine power output in certain circumstances. This is achieved by electronically changing the characteristics of the engine power-speed curve. The engine Power management function ("boosted" power level) becomes active in the higher transmission gears for road transport applications. The system is also activated when power transfer through the PTO exceeds a preset level (and forward speed exceeds 0.5 km/h), for mobile PTO driven implement applications. An overide system is provided to enable PTO operations at the "boosted" power level while the vehicle is stationary for test purposes. The results of this PTO output test are presented below.

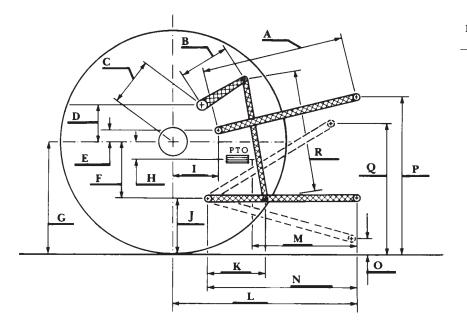
| Power HP (kW) | Crank shaft speed rpm | Diesel Consumptic Gal/hr (l/h) | on lb/hp.hr (kg/kW.h) | Hp.hr/g (kW.h/l) | | ption |
|---------------------|--------------------------------|---|-----------------------------|---------------------|----------------|--------------------------|
| | MAX | XIMUM 1 | POWER | AND F | UEL (| CONSUMPTION |
| | | | Engine Spee | | | -1109 rpm) |
| 127.1 (94.8) | 2100 | 7.33 (27.74) | 0.401 (0.244) | 17.35 (3.42) | 0.31 (1.17) | |
| (94.0) | | (27.74) | (0.244) | (9.42) | (1.17) | |
| | | | ard Power | | | 000 rpm) |
| 132.2 (98.6) | 1893 | 7.27 (27.52) | 0.383 (0.233) | 18.19 (3.58) | 0.32 (1.20) | |
| (90.0) | | (27.52) | (0.255) | (5.56) | (1.20) | |
| | | | imum Pow | | | |
| 136.1 | 1800 | 7.36 | 0.376 | 18.50 | 0.31 | |
| (101.5) | | (27.84) | (0.229) | (3.64) | (1.17) | |
| ARYING | POWE | R AND FU | JEL CON | SUMPT | ION | |
| 127.1 | 2100 | 7.33 | 0.401 | 17.35 | 0.31 | Airtemperature |
| (94.8) | | (27.74) | (0.244) | (3.42) | (1.17) | - |
| 114.1 | 2220 | 7.02 | 0.429 | 16.26 | 0.28 | 68°F(20°C) |
| (85.1) | | (26.57) | (0.261) | (3.20) | (1.06) | |
| 86.6 | 2245 | 5.85 | 0.472 | 14.80 | 0.22 | Relative humidity |
| (64.6) | | (22.16) | (0.287) | (2.91) | (0.84) | , |
| 58.3 | 2266 | 4.66 | 0.557 | 12.52 | 0.16 | 45% |
| (43.5) | | (17.63) | (0.339) | (2.47) | (0.61) | |
| 29.4 | 2289 | 3.38 | 0.806 | 8.68 | 0.11 | Barometer |
| (21.9) | | (12.81) | (0.490) | (1.71) | (0.42) | |
| | 2319 | 2.31 | | | | 29.2" Hg(98.9 kPa) |
| | | (8.73) | | | | 0. |

Torque rise at 1700 engine rpm - 27%

Power increase at 1800 engine rpm - 7%

HYDRAULIC PERFORMANCE

| CATEGORY: II | |
|---|---|
| Quick Attach: None | |
| OECD Static test | |
| Maximum force exerted through whole range: | 6720 lbs (29.9 kN) (80 mm lift cylinders) |
| | 7980 lbs (35.5 kN) (90 mm lift cylinders) |
| i) Sustained pressure of the open relief valve: | 3000 psi (207 bar) |
| ii) Pump delivery rate at minimum pressure: | 28.5 GPM (78.5 l/min) |
| iii) Pump delivery rate at maximum | |
| hydraulic power: | 18.8 GPM (71.0 l/min) |
| Delivery pressure: | 2395 psi (165 bar) |
| Power: | 26.2 HP (19.5 kW) |



HITCH DIMENSIONS AS TESTED—NO LOAD

| | inch | mm |
|-------------|------|------|
| А | 29.9 | 760 |
| В | 12.2 | 310 |
| С | 15.6 | 395 |
| D | 14.6 | 370 |
| E | 7.9 | 200 |
| F | 9.3 | 235 |
| G | 32.5 | 825 |
| Н | 1.0 | 25 |
| Ι | 16.9 | 430 |
| J | 23.2 | 590 |
| K | 19.9 | 505 |
| L | 46.4 | 1178 |
| М | 23.9 | 608 |
| Ν | 39.8 | 1010 |
| 0 | 7.9 | 200 |
| Р | 47.2 | 1200 |
| P Q R | 34.3 | 870 |
| Ř | 32.5 | 825 |