

# SUMMARY OF OECD TESTS 2810 & 2812 — NEBRASKA SUMMARY 946

## NEW HOLLAND T4.95 DIESEL

### 12 SPEED

#### POWER TAKE-OFF PERFORMANCE (Tractor equipped with 2 post ROPS)

Power HP (kW)	Crank shaft speed rpm	Gal/hr (l/h)	lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.l/l)	Mean Atmospheric Conditions
<b>MAXIMUM POWER AND FUEL CONSUMPTION</b>					
<b>Rated Engine Speed (PTO speed—640 rpm)</b>					
82.7 (61.7)	2298	5.43 (20.55)	0.459 (0.279)	15.23 (3.00)	
<b>Standard Power Take-off speed (540 rpm)</b>					
90.1 (67.2)	1939	5.23 (19.81)	0.406 (0.247)	17.22 (3.39)	
<b>VARYING POWER AND FUEL CONSUMPTION</b>					
82.7 (61.7)	2298	5.43 (20.55)	0.459 (0.279)	15.23 (3.00)	Air temperature
70.9 (52.9)	2319	4.90 (18.54)	0.483 (0.294)	14.47 (2.85)	65°F (18°C)
53.8 (40.1)	2344	4.20 (15.89)	0.546 (0.332)	12.82 (2.53)	Relative humidity
36.2 (27.0)	2366	3.44 (13.03)	0.665 (0.404)	10.52 (2.07)	56%
18.2 (13.6)	2384	2.55 (9.67)	0.978 (0.595)	7.14 (1.41)	Barometer
--	2396	1.98 (7.48)	--	--	30.0" Hg (101.5 kPa)
Maximum torque -280.1 lb.-ft. (379.8 Nm) at 1497 rpm Maximum torque rise -48.1% Torque rise at 1840 engine rpm -36% Power increase at 1939 rpm -8.9%					

#### POWER TAKE-OFF PERFORMANCE (Tractor equipped with Cab)

Power HP (kW)	Crank shaft speed rpm	Gal/hr (l/h)	lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.l/l)	Mean Atmospheric Conditions
<b>MAXIMUM POWER AND FUEL CONSUMPTION</b>					
<b>Rated Engine Speed (PTO speed—641 rpm)</b>					
82.9 (61.8)	2301	5.43 (20.57)	0.459 (0.279)	15.25 (3.00)	
<b>Standard Power Take-off speed (540 rpm)</b>					
90.4 (67.4)	1939	5.24 (19.83)	0.405 (0.247)	17.25 (3.40)	
<b>VARYING POWER AND FUEL CONSUMPTION</b>					
82.9 (61.8)	2301	5.43 (20.57)	0.459 (0.279)	15.25 (3.00)	Air temperature
70.9 (52.9)	2316	4.92 (18.62)	0.485 (0.295)	14.41 (2.84)	67°F (19°C)
54.0 (40.3)	2351	4.23 (16.00)	0.547 (0.333)	12.79 (2.52)	Relative humidity
36.2 (27.0)	2369	3.46 (13.10)	0.668 (0.406)	10.47 (2.06)	67%
18.2 (13.6)	2384	2.56 (9.70)	0.983 (0.598)	7.11 (1.40)	Barometer
--	2398	1.99 (7.52)	--	--	30.2" Hg (102.1 kPa)
Maximum torque -280.9 lb.-ft. (380.8 Nm) at 1493 rpm Maximum torque rise -48.5% Torque rise at 1840 engine rpm -36% Power increase at 1939 rpm -9.1%					

**Location of tests:** Alma Mater Studiorum, University  
Di Bologna, Via Gandolfi, 19-40057, Cadriano,  
Bologna, Italy

**Dates of tests:** August to December, 2013

**Manufacturer:** CNH Italia SpA, Viale delle Nazioni  
55, Modena, Italy

**FUEL and OIL:** Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F (15°/15°C)** 0.840  
**Fuel weight** 6.99 lbs/gal (0.838 kg/l) **Oil** SAE 15W40  
**API service classification** CJ-4 **Transmission and hydraulic lubricant** Akcela Nexplore fluid **Front axle lubricant** Akcela Nexplore fluid

**ENGINE:** Make FPT Industrial Diesel **Type** four cylinder vertical with turbocharger and air to air intercooler **Serial No.** 000136444 **Crankshaft lengthwise Rated engine speed** 2300 **Bore and stroke** 3.898" x 4.331" (99.0 mm x 110.0 mm) **Compression ratio** 17.1 to 1 **Displacement** 207 cu in (3387 ml) **Starting system** 12 volt **Lubrication pressure** **Air cleaner** two paper elements **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 **Exhaust** regenerative particulate filter integrated within an underhood muffler with vertical outlet **Cooling medium temperature control** thermostat

**CHASSIS:** **Type** front wheel assist **Serial No.** ZDJX 50046 **Tread width** rear 52.6" (1337 mm) to 76.3" (1937 mm) front 48.6" (1235 mm) to 76.3" (1937 mm) **Wheel base** 88.9" (2258 mm) **Hydraulic control system** direct engine drive **Transmission** selective gear fixed ratio **Nominal travel speeds mph(km/h)** first 1.34 (2.15) second 1.99 (3.20) third 2.95 (4.74) fourth 3.12 (5.02) fifth 4.32 (6.95) sixth 4.64 (7.47) seventh 6.87 (11.06) eighth 7.34 (11.82) ninth 10.09 (16.24) tenth 10.94 (17.60) eleventh 16.18 (26.04) twelfth 23.75 (38.22) reverse 1.31 (2.11), 1.95 (3.14), 2.88 (4.64), 3.06 (4.92), 4.23 (6.81), 4.55 (7.32), 6.74 (10.84), 7.20 (11.59), 9.89 (15.91), 10.72 (17.25), 15.86 (25.52), 23.28 (37.47) **Clutch** dual dry disc operated by foot pedal **Brakes** wet disc hydraulically operated by two foot pedals which can be locked together **Steering** hydrostatic **Power take-off** 540 rpm at 1938 engine rpm or 1000 rpm at 1926 engine rpm **Unladen tractor mass** w/2 post ROPS - 7505 lbs (3405 kg), w/cab - 8265 lb (3750 kg)

**New Holland T4.95 - with 2 post ROPS  
(Unballasted - Front Drive Engaged)**

**DRAWBAR PERFORMANCE**

**FUEL CONSUMPTION CHARACTERISTICS**

Power Hp (kW)	Drawbar pull lbs (kN)	Speed mph (km/h)	Crank- shaft speed rpm	Slip %	Fuel Consumption lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.h/l)	Temp.°F (°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
<b>Maximum Power—7th(3M)Gear</b>									
59.5 (44.4)	3445 (15.34)	6.48 (10.43)	2298	7.1	0.541 (0.359)	11.84 (2.33)	199 (93)	48 (9)	29.9 (101.2)
<b>75% of Pull at Maximum Power—7th(3M) Gear</b>									
46.0 (34.3)	2585 (11.51)	6.68 (10.74)	2331	5.7	0.667 (0.406)	10.50 (2.07)	199 (93)	48 (9)	29.9 (101.2)
<b>50% of Pull at Maximum Power—7th(3M)Gear</b>									
31.4 (23.4)	1725 (7.67)	6.82 (10.98)	2356	4.6	0.830 (0.505)	8.43 (1.66)	199 (93)	48 (9)	29.9 (101.2)
<b>75% of Pull at Reduced Engine Speed—8th(1H) Gear</b>									
46.0 (34.3)	2590 (11.51)	6.67 (10.74)	2172	5.4	0.586 (0.357)	11.93 (2.35)	199 (93)	46 (8)	29.9 (101.2)
<b>50% of Pull at Reduced Engine Speed—8th(1H) Gear</b>									
31.4 (23.4)	1725 (7.67)	6.83 (10.98)	2203	4.6	0.721 (0.439)	9.70 (1.91)	201 (94)	48 (9)	29.9 (101.2)
<b>MAXIMUM POWER IN SELECTED GEARS</b>									
<b>6th(2M)Gear</b>									
60.3 (45.0)	6175 (27.48)	3.66 (5.89)	2097	15.0	0.586 (0.356)	11.93 (2.35)	199 (93)	46 (8)	29.9 (101.2)
<b>7th(3M)Gear</b>									
72.0 (53.7)	5025 (22.36)	5.37 (8.64)	1968	10.2	0.501 (0.305)	13.95 (2.75)	201 (94)	48 (9)	29.9 (101.2)
<b>8th(1H)Gear</b>									
73.1 (54.5)	4715 (20.97)	5.81 (9.35)	1975	9.1	0.494 (0.301)	14.15 (2.79)	201 (94)	48 (9)	29.9 (101.2)
<b>9th(4M)Gear</b>									
73.0 (54.4)	3325 (14.80)	8.23 (13.24)	1974	6.6	0.497 (0.302)	14.07 (2.77)	199 (93)	48 (9)	29.9 (101.2)

**REPAIRS AND ADJUSTMENTS:** No repairs or adjustments.

**NOTE:** The performance results on this report were obtained from tests carried out on the Case IH Farmall 95C Diesel.

**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 remote hydraulic flow claims of 12.5 GPM (47.5 l/min) for standard pump nor 16.9 GPM (64.0 l/min) with optional pump. This tractor did not meet the manufacturer's 3 point lift capacity claim of 5620 lbs (2549 kg). The manufacturer's 3 point lift claim of 7351 lbs (3334 kg) with optional lift ram was not verified. The performance results on this summary were taken from OECD tests conducted under the OECD Code 2 test procedure.

We, the undersigned, certify that this is a true summary of data from OECD Reports No. **2810** and **2812**, Nebraska Summary 946, July 11, 2014.

Roger M. Hoy  
Director

M.F. Kocher  
S. Pitla  
P.J. Jasa  
Board of Tractor Test Engineers

**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 540/65R34; \*\*; 23 (160)  
Two 440/65R24; \*\*; 23 (160)  
18.1 in (460 mm)  
4595 lb (2085 kg)  
3075 lb (1395 kg)  
7670 lb (3480 kg)

## New Holland T4.95 - with cab

(Unballasted - Front Drive Engaged)

### DRAWBAR PERFORMANCE

#### FUEL CONSUMPTION CHARACTERISTICS

Power Hp (kW)	Drawbar pull lbs (kN)	Speed mph (km/h)	Crank- shaft speed rpm	Slip %	Fuel Consumption		Temp. °F (°C)	Barom. inch Hg (kPa)	
					lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.h/l)	cool- ing med	Air dry bulb	
<b>Maximum Power—7th (3M) Gear</b>									
61.0 (45.5)	3465 (15.42)	6.60 (10.63)	2303	5.6	0.593 (0.361)	11.78 (2.32)	198 (92)	43 (6)	30.1 (101.8)
<b>75% of Pull at Maximum Power—7th (3M) Gear</b>									
47.1 (35.1)	2600 (11.57)	6.79 (10.93)	2333	4.2	0.669 (0.407)	10.46 (2.06)	196 (91)	43 (6)	30.1 (101.8)
<b>50% of Pull at Maximum Power—7th (3M) Gear</b>									
32.1 (23.9)	1735 (7.71)	6.94 (11.17)	2358	3.3	0.812 (0.494)	8.61 (1.70)	196 (91)	41 (5)	30.1 (101.8)
<b>75% of Pull at Reduced Engine Speed—8th (1H) Gear</b>									
47.1 (35.1)	2600 (11.57)	6.79 (10.93)	2178	4.0	0.589 (0.359)	11.87 (2.34)	194 (90)	41 (5)	30.1 (101.8)
<b>50% of Pull at Reduced Engine Speed—8th (1H) Gear</b>									
32.1 (23.9)	1735 (7.71)	6.94 (11.17)	2208	3.2	0.721 (0.439)	9.70 (1.91)	194 (90)	41 (5)	30.1 (101.8)

#### MAXIMUM POWER IN SELECTED GEARS

6th (2M) Gear									
65.2 (48.6)	6695 (29.78)	3.65 (5.88)	2094	15.0	0.558 (0.339)	12.54 (2.47)	196 (91)	46 (8)	30.1 (101.8)
7th (3M) Gear									
71.3 (53.2)	4905 (21.82)	5.46 (8.78)	1958	8.5	0.505 (0.307)	13.86 (2.73)	198 (92)	46 (8)	30.1 (101.8)
8th (1H) Gear									
73.1 (54.5)	4625 (20.58)	5.93 (9.54)	1983	7.7	0.494 (0.300)	14.16 (2.79)	199 (93)	45 (7)	30.1 (101.8)
9th (4M) Gear									
72.4 (54.0)	3275 (14.58)	8.29 (13.34)	1965	5.5	0.500 (0.304)	13.97 (2.75)	198 (92)	45 (7)	30.1 (101.8)

#### 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 540/65R34; \*\*; 23 (160)

Two 440/65R24; \*\*; 23 (160)

18.1 in (460 mm)

5050 lb (2290 kg)

3385 lb (1535 kg)

8435 lb (3825 kg)

TRACTOR SOUND LEVEL WITHOUT CAB	FWA dB(A)	2WD dB(A)
At no load in 6th (2M) gear	81.0	81.0
Bystander	--	--

TRACTOR SOUND LEVEL WITH CAB	FWA dB(A)	2WD dB(A)
At no load in 6th (2M) gear	76.0	76.0
Bystander	--	--

### HYDRAULIC PERFORMANCE

CATEGORY: II

Quick Attach: None

OECD Static test

Maximum force exerted through whole range:	3530 lbs (15.7 kN)	
	Standard pump	Optional pump
i) Sustained pressure with relief valve open:	2800 psi (193 bar)	2845 psi (196 bar)
ii) Pump delivery rate at minimum pressure:	11.6 GPM (44.0 l/min)	14.9 GPM (56.5 l/min)
iii) Pump delivery rate at maximum		
hydraulic power:	10.7 GPM (40.5 l/min)	13.4 GPM (50.8 l/min)
Delivery pressure:	2555 psi (176 bar)	2525 psi (174 bar)
Power:	16.0 hp (11.9 kW)	19.7 hp (14.7 kW)

### HITCH DIMENSIONS AS TESTED—NO LOAD

	inch	mm
A	25.6	650
B	10.0	255
C	13.9	352
D	11.7	296
E	10.0	255
F	8.3	210
G	29.5	750
H	0.6	15
I	15.2	385
J	21.2	540
K	17.9	455
L	42.6	1083
M	22.0	558
N	37.5	953
O	13.7	349
P	45.3	1150
Q	42.7	1085
R	21.6	545

