

SUMMARY OF OECD TEST 2426—NEBRASKA SUMMARY 627

NEW HOLLAND T7060 DIESEL

19 SPEED

POWER TAKE-OFF PERFORMANCE

Power HP (kW)	Crank shaft speed rpm	Gal/hr (l/h)	lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.h/l)	Mean Atmospheric Conditions
MAXIMUM POWER AND FUEL CONSUMPTION					
Rated Engine Speed—(PTO speed—1022 rpm)					
190.4 (142.0)	2200	11.70 (44.30)	0.427 (0.260)	16.28 (3.21)	
Standard Power Take-off Speed (1000 rpm)					
198.5 (148.0)	2153	11.76 (44.51)	0.411 (0.250)	16.89 (3.33)	
Maximum Power (1 hour)					
203.0 (151.4)	2000	11.79 (44.65)	0.403 (0.245)	17.23 (3.39)	

VARYING POWER AND FUEL CONSUMPTION

190.4 (142.0)	2200	11.70 (44.30)	0.427 (0.260)	16.28 (3.21)	Air temperature
165.6 (123.5)	2250	10.68 (40.44)	0.448 (0.272)	15.51 (3.05)	61°F (16°C)
125.8 (93.8)	2280	8.72 (32.99)	0.482 (0.293)	14.42 (2.84)	Relative humidity
84.9 (63.3)	2305	6.47 (24.49)	0.530 (0.322)	13.12 (2.58)	45%
42.9 (32.0)	2330	4.14 (15.68)	0.670 (0.407)	10.38 (2.04)	Barometer
--	2348	2.29 (8.68)	--	--	29.6" Hg (100.2 kPa)

Maximum Torque - 621.5 lb.-ft. (842.7 Nm) at 1400 rpm
 Maximum Torque rise - 36.7%
 Torque rise at 1800 engine rpm - 24%

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 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)
Maximum Power—10th Gear									
155.8 (116.2)	10945 (48.68)	5.34 (8.60)	2203	12.4	0.527 (0.320)	13.20 (2.60)	183 (84)	79 (26)	29.5 (100.0)
75% of Pull at Maximum Power—10th Gear									
120.7 (90.0)	8210 (36.52)	5.51 (8.87)	2254	11.6	0.603 (0.367)	11.52 (2.27)	181 (83)	79 (26)	29.5 (100.0)
50% of Pull at Maximum Power—10th Gear									
83.0 (61.9)	5470 (24.33)	5.69 (9.15)	2285	10.0	0.675 (0.410)	10.30 (2.03)	181 (83)	79 (26)	29.5 (99.9)
75% of Pull at Reduced Engine Speed—11th Gear									
122.2 (91.1)	8195 (36.45)	5.59 (9.00)	1857	9.7	0.520 (0.316)	13.37 (2.63)	181 (83)	79 (26)	29.5 (99.9)
50% of Pull at Reduced Engine Speed—11th Gear									
86.5 (64.5)	5540 (24.65)	5.85 (9.42)	1882	6.6	0.572 (0.348)	12.16 (2.40)	183 (84)	79 (26)	29.5 (100.0)

Location of tests: HBLFA Francisco Josephinum
 BLT Biomass-Logistics-Technology,
 Rottenhauser, StraBe, 1, AT, 3250, Wieselburg,
 Austria

Dates of tests: May -July, 2007.

Manufacturer: CNH Osterreich GmbH
 SteyrerstraBe, 32, 4300, St. Valentin, Austria

FUEL and OIL: Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F (15°/15°C)** 0.835
Fuel weight 6.95 lbs/gal (0.833 kg/l) **Oil SAE**
 10W30 **API service classification** CG-4
Transmission and hydraulic lubricant New
 Holland Ambra Multi G fluid **Front axle lubricant**
 New Holland Ambra Multi G fluid

ENGINE: Make CNH Diesel **Type** six cylinder
 vertical with turbocharger and air to air intercooler
Serial No. 294836 **Crankshaft** lengthwise **Rated
 engine speed** 2200 **Bore and stroke** 4.094" x
 5.197" (104.0 mm x 132.0 mm) **Compression ratio**
 16.5 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** two paper canisters
Muffler underhood **Exhaust** vertical **Cooling
 medium temperature control** thermostat and
 variable speed fan

CHASSIS: Type front wheel assist **Serial No.**
 Z6BH01002 **Tread width** rear 60.2" (1530 mm) to
 87.8" (2230 mm) front 61.4" (1560 mm) to 89.0" (2260
 mm) **Wheelbase** 113.5" (2884 mm) **Hydraulic
 control system** direct engine drive **Transmission**
 selective gear fixed ratio with full range operator
 controlled powershift **Nominal travel speeds mph
 (km/h)** first 1.21 (1.94) second 1.45 (2.33) third 1.74
 (2.80) fourth 2.09 (3.36) fifth 2.52 (4.05) sixth 3.03
 (4.87) seventh 3.49 (5.62) eighth 4.20 (6.76) ninth
 5.05 (8.12) tenth 6.06 (9.76) eleventh 7.30 (11.75)
 twelfth 8.78 (14.13) thirteenth 10.09 (16.24)
 fourteenth 12.13 (19.52) fifteenth 14.57 (23.45)
 sixteenth 17.52 (28.20) seventeenth 21.08 (33.92)
 eighteenth 25.35 (40.79) nineteenth 25.35
 (40.80) (1700 engine rpm) reverse 2.67 (4.30), 3.21
 (5.16), 3.85 (6.20), 4.63 (7.45), 5.57 (8.96), 6.70
 (10.78) **Clutch** multiple wet disc electro-
 hydraulically operated by foot pedal **Brakes** wet
 disc hydraulically operated by two foot pedals that
 can be locked together **Steering** hydrostatic **Power
 take-off** 540 rpm at 1950 engine rpm or 1000 rpm
 at 2154 engine rpm **Unladen tractor mass** 17915
 lb (8125 kg)

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 Consumption lb/hp.hr (kg/kW.h)	Consumption Hp.hr/gal (kW.h/l)	Temp. °F(°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
6th Gear									
112.6 (84.0)	15630 (69.53)	2.70 (4.35)	2254	14.8	0.637 (0.387)	10.91 (2.15)	183 (84)	77 (25)	29.4 (99.4)
7th Gear									
123.0 (91.7)	15445 (68.71)	2.99 (4.81)	2245	14.7	0.589 (0.358)	11.80 (2.32)	185 (85)	79 (26)	29.4 (99.4)
8th Gear									
145.5 (108.5)	15375 (68.39)	3.55 (5.71)	2222	14.5	0.553 (0.337)	12.56 (2.48)	185 (85)	79 (26)	29.4 (99.4)
9th Gear									
161.5 (120.4)	14740 (65.56)	4.11 (6.61)	2115	13.7	0.521 (0.317)	13.35 (2.63)	185 (85)	79 (26)	29.4 (99.4)
10th Gear									
164.8 (122.9)	12960 (57.64)	4.77 (7.67)	2000	12.5	0.502 (0.306)	13.84 (2.73)	183 (84)	77 (25)	29.4 (99.4)
11th Gear									
166.6 (124.2)	10295 (45.79)	6.07 (9.76)	2000	8.7	0.494 (0.301)	14.06 (2.77)	183 (84)	77 (25)	29.4 (99.4)
12th Gear									
160.5 (119.7)	8175 (36.36)	7.36 (11.85)	1999	7.9	0.517 (0.314)	13.45 (2.65)	183 (84)	79 (26)	29.4 (99.4)

REPAIRS AND ADJUSTMENTS: No repairs or adjustments.

NOTE: The data on this summary was obtained from OECD report 2427 conducted on the Case IH Puma 210 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 claims of 25 Hp "power growth", 45% torque rise, 39.6 gpm (150 lpm) remote hydraulic flow nor 3 point lift capacity of 15873 lbs (7200 kg). The performance figures on this summary were taken from a test conducted under the OECD Code II test procedure.

We, the undersigned, certify that this is a true summary of data from OECD Report No. **2426** Nebraska Summary 627, November 17, 2008.

Roger M. Hoy
Director

M.F. Kocher
V.I. Adamchuk
J.A. Smith
Board of Tractor Test Engineers

TRACTOR SOUND LEVEL WITH CAB	Front Wheel Drive	
	Disengaged dB(A)	Engaged dB(A)
At no load in 8th gear	70.0	70.0
Bystander	--	--

TIRES, BALLAST 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 710/70R38; **; 15(100)
 Two 600/65R28; **; 15(100)
 24.0 in (610 mm)
 10845 lb (4920 kg)
 7230 lb (3280 kg)
 18075 lb (8200 kg)

DRAWBAR PERFORMANCE
(Unballasted - Front Drive Disengaged)
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)
Maximum Power—10th Gear									
147.4 (109.9)	10540 (46.88)	5.24 (8.44)	2200	13.7	0.552 (0.336)	12.59 (2.48)	180 (82)	79 (26)	29.7 (100.5)
75% of Pull at Maximum Power—10th Gear									
115.6 (86.2)	7955 (35.39)	5.45 (8.77)	2257	12.5	0.602 (0.367)	11.54 (2.27)	174 (79)	75 (24)	29.6 (100.3)
50% of Pull at Maximum Power—10th Gear									
79.5 (59.3)	5325 (23.70)	5.60 (9.01)	2295	11.4	0.683 (0.415)	10.18 (2.01)	174 (79)	75 (24)	29.6 (100.3)
75% of Pull at Reduced Engine Speed—11th Gear									
122.7 (91.5)	7990 (35.54)	5.76 (9.27)	1945	11.2	0.515 (0.314)	13.48 (2.66)	178 (81)	79 (26)	29.5 (100.0)
50% of Pull at Reduced Engine Speed—11th Gear									
85.3 (63.6)	5365 (23.86)	5.96 (9.60)	1948	8.3	0.550 (0.335)	12.64 (2.49)	176 (80)	79 (26)	29.5 (99.9)
MAXIMUM POWER IN SELECTED GEARS									
6th Gear									
80.1 (59.7)	11015 (48.99)	2.73 (4.39)	2283	13.9	0.726 (0.442)	9.57 (1.89)	181 (83)	81 (27)	29.5 (99.9)
7th Gear									
88.0 (65.6)	10575 (47.05)	3.12 (5.02)	2278	14.0	0.632 (0.385)	10.99 (2.17)	185 (85)	81 (27)	29.5 (99.9)
8th Gear									
105.1 (78.4)	10430 (46.39)	3.78 (6.08)	2261	12.4	0.598 (0.364)	11.62 (2.29)	183 (84)	82 (28)	29.5 (99.9)
9th Gear									
117.7 (87.8)	9870 (43.90)	4.47 (7.20)	2259	13.6	0.588 (0.358)	11.83 (2.33)	179 (82)	79 (26)	29.5 (99.9)
10th Gear									
147.4 (109.9)	10540 (46.88)	5.24 (8.44)	2203	13.7	0.552 (0.336)	12.59 (2.48)	178 (81)	82 (28)	29.5 (99.9)
11th Gear									
156.5 (116.7)	9865 (43.88)	5.95 (9.57)	2006	10.6	0.524 (0.319)	13.25 (2.61)	181 (83)	82 (28)	29.5 (99.9)
12th Gear									
156.4 (116.6)	8055 (35.84)	7.28 (11.71)	2006	9.1	0.525 (0.319)	13.25 (2.61)	174 (79)	72 (22)	29.5 (99.9)

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 (16th and above) and 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 override system is provided to enable PTO operations at the "boosted" power level while the vehicle is stationary for test purposes. The results of of this PTO output test are presented below.

POWER TAKE-OFF PERFORMANCE

Power HP (kW)	Crank shaft speed rpm	Gal/hr (l/h)	lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.h/l)	Mean Atmospheric Conditions
MAXIMUM POWER AND FUEL CONSUMPTION					
Rated Engine Speed—(PTO speed—1022 rpm)					
206.9 (154.3)	2200	12.57 (47.58)	0.422 (0.257)	16.46 (3.24)	
Standard Power Take-off Speed - (1000 rpm)					
207.9 (155.0)	2153	12.57 (47.57)	0.420 (0.255)	16.55 (3.26)	
Maximum Power (1 hour)					
215.4 (160.6)	1900	12.30 (46.56)	0.397 (0.241)	17.51 (3.45)	

VARYING POWER AND FUEL CONSUMPTION

206.9 (154.3)	2200	12.57 (47.58)	0.422 (0.257)	16.46 (3.24)	Air temperature
179.3 (133.7)	2240	11.24 (42.56)	0.436 (0.265)	15.95 (3.14)	61°F (16°C)
136.1 (101.5)	2270	9.21 (34.88)	0.471 (0.286)	14.77 (2.91)	Relative humidity
92.3 (68.8)	2305	6.85 (25.92)	0.516 (0.314)	13.48 (2.65)	50%
46.5 (34.7)	2330	4.30 (16.30)	0.642 (0.390)	10.83 (2.13)	Barometer
--	2348	2.27 (8.60)	--	--	29.6"Hg (100.2kPa)

Maximum Torque 667.3 lb.-ft. (904.8 Nm) at 1600 rpm
 Maximum Torque Rise - 35.1%
 Torque rise at 1800 rpm - 27%

HYDRAULIC PERFORMANCE

CATEGORY: IIN

Quick Attach: No

OECD Static test

Lift cylinders:

2 x 100 mm

Maximum force exerted through whole range:

13490 lbs (60.0 kN)

	Standard pump	High flow pump
i) Sustained pressure at compensator cutoff:	3175 psi (219 bar)	3175 psi (219 bar)
two outlet sets combined		
ii) Pump delivery rate at minimum pressure:	32.0 GPM(121.0 l/min)	35.2 GPM(133.3 l/min)
iii) Pump delivery rate at maximum		
hydraulic power:	27.0 GPM(102.0 l/min)	35.2 GPM(133.3 l/min)
Delivery pressure:	2830 psi (195 bar)	2540 psi (175 bar)
Power:	44.5 HP (33.2 kW)	52.2 HP (38.9 kW)
single outlet set		
ii) Pump delivery rate at minimum pressure:	26.2 GPM(99.3 l/min)	26.0 GPM(98.4 l/min)
iii) Pump delivery rate at maximum		
hydraulic power:	25.8 GPM(97.7 l/min)	25.1 GPM(95.0 l/min)
Delivery pressure:	2540 psi (175 bar)	2610 psi (180 bar)
Power:	38.2 HP (28.5 kW)	38.2 HP (28.5 kW)

THREE POINT HITCH PERFORMANCE(SAE Static test)

Observed maximum pressure psi. (bar)	3175 (219)				
Location:	lift cylinder				
Hydraulic oil temperature: °F (°C)	150 (65)				
Location:	hydraulic sump				
Category:	IIN				
Quick attach:	none				
System pressure 2865 psi (197 Bar) Lift cylinders - 2 x 100 mm					
Hitch point distance to ground level in. (mm)	19.7 (500)	21.9 (555)	25.8 (655)	35.8 (910)	45.3 (1150)
Lift force on frame lb	14930	15015	15175	15150	14230
" " " " " " (kN)	(66.4)	(66.8)	(67.5)	(67.4)	(63.3)

HITCH DIMENSIONS AS TESTED—NO LOAD

	OECD test		SAE test	
	inch	mm	inch	mm
A	31.9	810	31.7	805
B	15.0	380	15.0	380
C	15.1	383	15.1	383
D	14.6	372	14.6	372
E	10.9	277	10.9	277
F	10.6	270	10.6	270
G	36.4	925	36.4	925
H	2.4	60	2.4	60
I	19.7	440	19.7	440
J	25.8	655	25.8	655
K	26.9	682	26.9	682
L	48.2	1224	48.2	1224
M	23.1	587	23.1	587
N	38.3	974	38.3	974
O	9.0	230	16.9	430
P	52.8	1340	47.8	1214
Q	39.4	1000	45.3	1150
R	38.8	985	34.4	875

