

SUMMARY OF OECD TEST 2441-NEBRASKA SUMMARY 690 NEW HOLLAND T6050 PLUS DIESEL 16 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—1037 rpm)					
116.5 (86.9)	2197	7.10 (26.87)	0.427 (0.260)	16.40 (3.23)	
Maximum Power - (1 hour)					
116.5 (86.9)	2197	7.10 (26.87)	0.427 (0.260)	16.40 (3.23)	
Standard Power Take-off Speed (1000 rpm)					
115.7 (86.3)	2119	6.98 (26.42)	0.422 (0.257)	16.58 (3.27)	
VARYING POWER AND FUEL CONSUMPTION					
116.5 (86.9)	2197	7.10 (26.87)	0.427 (0.260)	16.40 (3.23)	Air temperature
107.4 (80.1)	2386	6.84 (25.89)	0.447 (0.272)	15.70 (3.09)	67°F (20°C)
81.3 (60.6)	2401	5.81 (21.98)	0.500 (0.304)	13.99 (2.76)	Relative humidity
54.2 (40.4)	2411	4.44 (16.79)	0.573 (0.349)	12.22 (2.41)	41%
27.5 (20.5)	2426	3.18 (12.02)	0.810 (0.493)	8.65 (1.71)	Barometer
--	2452	2.12 (8.01)	--	--	29.2" Hg (99.0 kPa)

Maximum Torque - 439.6 lb.-ft. (596.0 Nm) at 903 rpm
Maximum Torque Rise - 57.9%
Torque rise at 1800 engine rpm - 17%

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—7th (7B) Gear									
99.9 (74.5)	7540 (33.53)	4.97 (8.00)	2202	2.4	0.497 (0.303)	14.09 (2.78)	187 (86)	46 (8)	28.9 (97.9)
75% of Pull at Maximum Power—7th (7B) Gear									
82.2 (61.3)	5665 (25.20)	5.44 (8.75)	2391	1.6	0.560 (0.341)	12.52 (2.47)	189 (87)	52 (11)	28.9 (97.9)
50% of Pull at Maximum Power—7th (7B) Gear									
55.3 (41.2)	3770 (16.77)	5.50 (8.85)	2405	0.9	0.674 (0.410)	10.41 (2.05)	190 (88)	50 (10)	28.9 (97.9)
75% of Pull at Reduced Engine Speed—8th (9C) Gear									
81.8 (61.0)	5645 (25.11)	5.43 (8.75)	2158	1.6	0.506 (0.308)	13.86 (2.73)	189 (87)	52 (11)	28.9 (97.9)
50% of Pull at Reduced Engine Speed—8th (9C) Gear									
55.1 (41.1)	3755 (16.70)	5.50 (8.85)	2161	0.9	0.573 (0.349)	12.23 (2.41)	189 (87)	50 (10)	28.9 (97.9)

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

Dates of tests: October to November 2007.

Manufacturer: CNH Europe Holding S.A. 13, Rue Aldringen L-1118 Luxembourg

FUEL and OIL: Fuel No. 2 Diesel Specific gravity converted to 60°/60°F (15°/15°C) 0.842 Fuel weight 7.01 lbs/gal (0.840 kg/l) Oil SAE 15W40 API service classification CH-4 Transmission and hydraulic lubricant Akcela Nexplora fluid Front axle lubricant Akcela Nexplora fluid

ENGINE: Make CNH Diesel Type six cylinder vertical with turbocharger and air to air intercooler Serial No. 430011 Crankshaft lengthwise Rated engine speed 2200 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. Z7BD02860 Tread width rear 52.2" (1325 mm) to 90.0" (2285 mm) front 56.3" (1430 mm) to 83.9" (2130 mm) Wheelbase 104.4" (2652 mm) Hydraulic control system direct engine drive Transmission selective gear fixed ratio with partial (8) range operator controlled powershift Nominal travel speeds mph (km/h) first 1.41 (2.27) second 1.73 (2.78) third 2.11 (3.39) fourth 2.58 (4.15) fifth 3.31 (5.32) sixth 4.06 (6.53) seventh 4.94 (7.95) eighth 5.51 (8.86) ninth 6.06 (9.75) tenth 6.75 (10.87) eleventh 8.23 (13.24) twelfth 10.09 (16.24) thirteenth 12.94 (20.82) fourteenth 15.87 (25.54) fifteenth 19.32 (31.09) sixteenth 23.70 (38.14) reverse 1.39 (2.24), 1.71 (2.75), 2.08 (3.35), 2.55 (4.10), 3.27 (5.26), 4.01 (6.45), 4.88 (7.86), 5.44 (8.76), 5.99 (9.64), 6.67 (10.74), 8.13 (13.08), 9.97 (16.05), 12.78 (20.57), 15.68 (25.24), 19.20 (30.73), 23.43 (37.70) Clutch wet disc electro-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 1970 engine rpm or 1000 rpm at 2120 engine rpm Unladen tractor mass 11495 lb (5215 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)
3rd(3A) Gear									
58.4 (43.6)	10990 (48.89)	1.99 (3.21)	2408	15.4	0.690 (0.420)	10.16 (2.00)	189 (87)	48 (9)	28.9 (97.9)
4th(4A) Gear									
73.0 (54.4)	10370 (46.12)	2.64 (4.25)	2404	8.7	0.600 (0.365)	11.67 (2.30)	189 (87)	45 (7)	28.9 (97.9)
5th(5B) Gear									
89.0 (66.4)	10085 (44.85)	3.31 (5.33)	2338	7.6	0.544 (0.331)	12.89 (2.54)	190 (88)	48 (8)	28.9 (97.9)
6th(6B) Gear									
104.7 (78.1)	9890 (44.00)	3.97 (6.39)	2215	4.8	0.475 (0.289)	14.77 (2.91)	190 (88)	45 (7)	28.9 (97.9)
7th(7B) Gear									
101.2 (75.5)	7640 (33.98)	4.97 (8.00)	2195	2.8	0.491 (0.298)	14.26 (2.81)	187 (86)	48 (8)	28.9 (97.9)
8th(9C) Gear									
105.3 (78.5)	7090 (31.54)	5.57 (8.96)	2210	2.7	0.471 (0.287)	14.87 (2.93)	187 (86)	50 (10)	28.9 (97.9)
9th(8B) Gear									
101.6 (75.8)	6250 (27.80)	6.10 (9.82)	2190	2.4	0.488 (0.297)	14.37 (2.83)	189 (87)	50 (10)	28.9 (97.9)
10th(10C) Gear									
104.5 (77.9)	5730 (25.49)	6.84 (11.00)	2195	2.1	0.476 (0.290)	14.72 (2.90)	189 (87)	50 (10)	28.9 (97.9)
11th(11C) Gear									
99.4 (74.1)	4455 (19.82)	8.36 (13.46)	2193	1.5	0.500 (0.304)	14.01 (2.76)	189 (87)	48 (9)	28.9 (97.9)
12th(12C) Gear									
97.9 (73.0)	3545 (15.76)	10.36 (16.67)	2209	1.2	0.508 (0.309)	13.81 (2.72)	189 (87)	48 (9)	28.9 (97.9)

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 capacity claim of 9285 lbs (4211 kg) with MDC (mechanical draft control) nor cab sound level of 72.0 dB(A). The manufacturer's 3 point lift claim of 9620 lbs (4363 kg) with EDC (electronic draft control) was not verified. 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. **2441**, Nebraska Summary 690, January 14, 2010.

Roger M. Hoy
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Board of Tractor Test Engineers

TRACTOR SOUND LEVEL WITH CAB	Front Wheel Drive	
	Disengaged dB(A)	Engaged dB(A)
At no load in 7th (7B) gear	73.8	73.9
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)
22.4 in (570 mm)
7210 lb (3270 kg)
4455 lb (2020 kg)
11665 lb (5290 kg)

HYDRAULIC PERFORMANCE

CATEGORY: II

Quick Attach: None

OECD Static test

lift assist cylinders

Maximum force exerted through whole range: 6810 lbs (30.3 kN) (2 x 50 mm)

i) Sustained pressure of the open relief valve: 3045 psi (210 bar)

ii) Pump delivery rate at minimum pressure: 29.1 GPM (110.0 l/min)

iii) Pump delivery rate at maximum

hydraulic power: 27.2 GPM (103.0 l/min)

Delivery pressure: 2610 psi (180 bar)

Power: 41.4 HP (30.9 kW)

THREE POINT HITCH PERFORMANCE

Observed Maximum Pressure psi. (bar) 3045 (210)

Location: lift cylinder

Hydraulic oil temperature: °F (°C) 150 (66)

Location: hydraulic sump

Category: II

Quick attach: None

SAE Static Test—System pressure 2750 psi (189 Bar) lift assist cylinders - 2 x 50 mm

Hitch point distance to ground level in. (mm)	7.9 (200)	13.8 (350)	23.0 (585)	29.9 (760)	38.4 (975)
Lift force on frame lb	13890	11940	12050	10700	7710
" " " " " " (kN)	(61.8)	(53.1)	(53.6)	(47.6)	(34.3)

HITCH DIMENSIONS AS TESTED—NO LOAD

	OECD test		SAE test	
	inch	mm	inch	mm
A	27.9	708	28.3	720
B	10.0	255	10.0	255
C	15.9	403	15.9	403
D	14.1	357	14.1	357
E	7.9	200	9.8	250
F	9.3	235	9.3	235
G	32.3	820	32.3	820
H	1.0	25	1.0	25
I	16.9	430	15.6	395
J	23.0	585	23.0	585
K	19.9	505	23.0	585
L	44.0	1118	44.0	1118
M	22.2	563	22.2	563
N	37.4	950	37.4	950
O	7.9	200	7.9	200
P	47.0	1195	43.0	1093
Q	33.6	853	30.3	770
R	30.9	785	33.1	840

