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SUMMARY OF OECD TEST 1803—NEBRASKA SUMMARY 501
KUBOTA M6800DT DIESEL
8 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—612 rpm)					
62.1 *(46.3)*	2600	4.16 *(15.73)*	0.469 *(0.285)*	14.92 *(2.94)*	
Maximum Power (2 hours)					
63.3 *(47.2)*	2529	4.14 *(15.69)*	0.458 *(0.279)*	15.28 *(3.01)*	
Standard Power Take-off speed (540 rpm)					
62.9 *(46.9)*	2295	4.01 *(15.16)*	0.446 *(0.271)*	15.70 *(3.09)*	
VARYING POWER AND FUEL CONSUMPTION					
62.1 *(46.3)*	2600	4.16 *(15.73)*	0.469 *(0.285)*	14.92 *(2.94)*	Air temperature
54.0 *(40.3)*	2661	3.67 *(13.90)*	0.476 *(0.289)*	14.72 *(2.90)*	66°F *(19°C)*
41.0 *(30.6)*	2689	2.98 *(11.28)*	0.509 *(0.309)*	13.76 *(2.71)*	Relative humidity
27.5 *(20.5)*	2707	2.36 *(8.93)*	0.600 *(0.365)*	11.67 *(2.30)*	87%
13.9 *(10.4)*	2729	1.80 *(6.81)*	0.903 *(0.549)*	7.75 *(1.53)*	Barometer
-- --	2750	1.28 *(4.86)*	-- --	-- --	30.0" Hg *(101.5 kPa)*

Maximum Torque -165.1 lb.-ft. *(223.8 Nm)* at 1400 rpm
Maximum Torque Rise -31.5%
Torque rise at 2100 engine rpm -23%

Location of tests: Institute of Agricultural Machinery Bio-oriented Technology Research Advancement Institution (IAM-Brain) Omiya, Japan

Dates of tests: October, 1998
Operator sound level - December 2, 2005

Manufacturer: Kubota Corporation, Tsukuba Plant Aza, Sakanoshinden, Yawaramura, Tsukubagun, Ibaraki, Japan

FUEL and OIL: Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F *(15°/15°C)*** 0.841 **Fuel weight** 7.00 lbs/gal *(0.839 kg/l)* **Oil SAE** 10W30 **API service classification** CD **Oil consumption for 10 hours** 0.06 lb *(29 gm)* **Transmission and hydraulic lubricant** SAE 75W/80 API GL-3 **Front axle lubricant** SAE 75W/80 API GL-3

ENGINE: Make Kubota Diesel **Type** four cylinder vertical **Serial No.** WN5147 **Crankshaft** lengthwise **Rated engine speed** 2600 **Bore and stroke** 3.858" x 4.331" *(98.0 mm x 110.0 mm)* **Compression ratio** 22.6 to 1 **Displacement** 202 cu in *(3318 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 **Fuel filter** one paper element **Muffler** underhood **Exhaust** vertical **Cooling medium temperature control** thermostat

CHASSIS: Type front wheel assist **Serial No.** M680-50531 **Tread width** rear 55.9" *(1420 mm)* to 67.7" *(1720 mm)* front 55.9" *(1420 mm)* to 59.8" *(1520 mm)* **Wheel base** 80.7" *(2050 mm)* **Hydraulic control system** direct engine drive **Transmission** selective gear fixed ratio **Nominal travel speeds mph *(km/h)*** first 1.68 *(2.70)* second 2.25 *(3.62)* third 3.45 *(5.55)* fourth 5.14 *(8.27)* fifth 6.04 *(9.72)* sixth 8.10 *(13.04)* seventh 12.44 *(20.02)* eighth 18.53 *(29.82)* reverse 2.15 *(3.46)*, 2.88 *(4.64)*, 4.42 *(7.11)*, 6.59 *(10.60)* **Clutch** single dry disc operated by foot pedal **Brakes** multiple wet disc operated by two foot pedals which can be locked together **Steering** hydrostatic **Power take-off** 540 rpm at 2307 engine rpm **Unladen tractor mass** 5375 lb *(2437 kg)*

DRAWBAR PERFORMANCE
BALLASTED - 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 cool-ing med	(°C) Air dry bulb	Barom. inch Hg *(kPa)*
75% of Pull at Maximum Power—Five Hours 4th (L4) Gear									
45.8 *(34.1)*	3335 *(14.84)*	5.15 *(8.28)*	2636	3.4	0.541 *(0.329)*	12.94 *(2.55)*	180 *(82)*	81 *(27)*	30.1 *(101.8)*
MAXIMUM POWER IN SELECTED GEARS									
2nd (L2) Gear									
38.4 *(28.6)*	7235 *(32.18)*	1.99 *(3.20)*	2653	15.1	0.608 *(0.370)*	11.52 *(2.27)*	180 *(82)*	73 *(23)*	30.0 *(101.7)*
3rd (L3) Gear									
54.0 *(40.2)*	6650 *(29.59)*	3.04 *(4.90)*	2533	11.4	0.550 *(0.335)*	12.73 *(2.51)*	181 *(83)*	75 *(24)*	30.1 *(101.8)*
4th (L4) Gear									
57.0 *(42.5)*	4445 *(19.78)*	4.81 *(7.74)*	2534	5.9	0.533 *(0.324)*	13.15 *(2.59)*	183 *(84)*	64 *(18)*	30.0 *(101.7)*
5th (H1) Gear									
55.0 *(41.0)*	3730 *(16.60)*	5.53 *(8.89)*	2437	4.3	0.530 *(0.323)*	13.20 *(2.60)*	183 *(84)*	68 *(20)*	30.0 *(101.7)*
6th (H2) Gear									
54.6 *(40.7)*	2615 *(11.63)*	7.83 *(12.60)*	2534	2.9	0.545 *(0.332)*	12.84 *(2.53)*	178 *(81)*	70 *(21)*	30.0 *(101.7)*

TIRES, BALLAST AND WEIGHT		With Ballast	Without Ballast
Rear Tires	-No., size, ply & psi *(kPa)*	Two 16.9-30; 6;17 *(118)*	Two 16.9-30; 6;17 *(118)*
Ballast	-Liquid (total)	None	None
	-Cast Iron (total)	2050 lb *(929 kg)*	None
Front Tires	-No., size, ply & psi *(kPa)*	Two 9.5-24: 6; 26 *(176)*	Two 9.5-24; 6; 26 *(176)*
Ballast	-Liquid (total)	None	None
	-Cast Iron (total)	990 lb *(450 kg)*	None
Height of Drawbar		19.3 in *(490 mm)*	19.7 in *(500 mm)*
Static Weight with Operator	- Rear	5350 lb*(2426 kg)*	3610 lb *(1636 kg)*
	- Front	3230 lb*(1465 kg)*	1930 lb *(876 kg)*
	- Total	8580 lb *(3891 kg)*	5540 lb *(2512 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 claim of 3310 lbs *(1500 kg)* 3 point lift capacity. The performance results on this summary were taken from OECD tests conducted under the Code I Test procedure.

We, the undersigned, certify that this is a true summary of data from OECD Report No. **1803,** Nebraska Summary 501, January 27, 2006.

Leonard L. Bashford
Director

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

TRACTOR SOUND LEVEL WITHOUT CAB	dB(A)
At no load in 4th (4L) gear	88.2
Bystander in 8th (4H) gear	83.0

CENTER OF GRAVITY

Horizontal distance forward from centerline of rear wheels	28.1" *(716 mm)*
Vertical distance above roadway	31.1" *(791 mm)*
Horizontal distance from center of rear wheel tread	0.1" *(3 mm)* to the left

TURNING ON A CONCRETE SURFACE

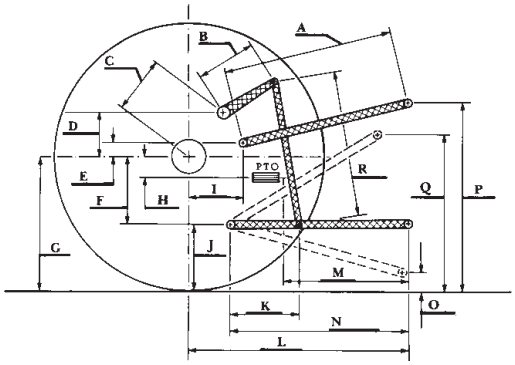
Turning radius—with brake right 124" *(3.15 m)* left 126" *(3.21 m)*
Turning radius—without brake right 156" *(3.97 m)* left 155" *(3.94 m)*

Turning space radius—with brake right 134" *(3.41 m)* left 137" *(3.47 m)*
Turning space radius—without brake right 166" *(4.22 m)* left 167" *(4.25 m)*

THREE POINT HITCH PERFORMANCE (OECD Static Test)

CATEGORY: II
Quick Attach: None

Maximum force exerted through whole range:	2760 lbs *(12.3 kN)*
i) Opening pressure of relief valve:	NA
Sustained pressure with relief valve open:	2760 psi *(190 bar)*
ii) Pump delivery rate at minimum pressure:	11.7 GPM *(44.4 l/min)*
iii) Pump delivery rate at maximum hydraulic power:	10.5 GPM *(39.8 l/min)*
Delivery pressure:	2335 psi *(161 bar)*
Power:	14.3 HP *(10.7 kW)*

HITCH DIMENSIONS AS TESTED—NO LOAD

	inch	*mm*
A	23.6	*600*
B	9.4	*240*
C	11.6	*294*
D	10.9	*278*
E	7.0	*180*
F	7.7	*197*
G	27.2	*692*
H	0.5	*13*
I	12.0	*305*
J	19.5	*495*
K	15.6	*395*
L	35.2	*894*
M	22.0	*559*
N	31.1	*790*
O	7.2	*183*
P	43.5	*1105*
Q	31.3	*794*
R	21.7	*550*