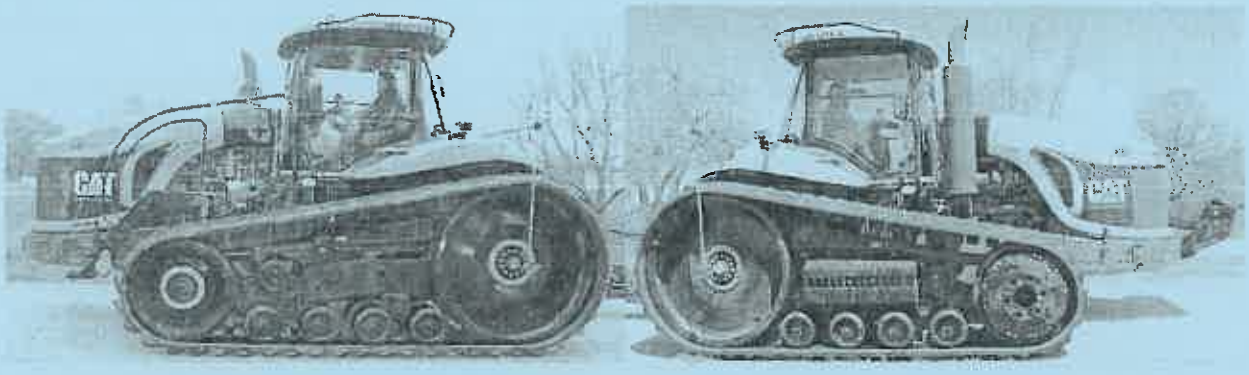
OECD APPROVAL NO. 2/2 365
CODE 2
DATE OF APPROVAL: 08 March 2007

NEBRASKA TRACTOR TEST LABORATORY
DEPARTMENT OF BIOLOGICAL SYSTEMS ENGINEERING
INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES
UNIVERSITY OF NEBRASKA - EAST CAMPUS
LINCOLN, NEBRASKA 68583-0832, USA

REPORT ON TEST IN ACCORDANCE WITH OECD STANDARD CODE 2 FOR THE OFFICIAL TESTING OF AGRICULTURAL TRACTORS



CHALLENGER MT875B
Rubber Tracklaying Tractor

MANUFACTURED BY:	**AGCO Corp** **4205 River Green Parkway** **Duluth, GA 30096**
NEBRASKA TEST NO.	**1879**
TEST DATES:	**April 26 – May 4, 2005**

This test report provides the results of the tests conducted in accordance with the OECD Standard Test Code for the Official Testing of Agricultural Tractor Performance - C(87)53 Final, Code 2.

This report has been approved by the OECD Coordinating Centre in Paris on 08 March 2007 for the Challenger MT875B rubber tracklaying tractor with OECD Number 2/2 365.

No reproduction of this report or any part of it can be made without prior approval by the Nebraska Tractor Test Laboratory, Lincoln, Nebraska USA.

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Date: MAR 0 8 2007

TABLE OF CONTENTS

Page

1. **SPECIFICATIONS** 1

2. **TEST CONDITIONS** 9

3. **COMPULSORY TESTS**
   - **3.1** Main Power Take-Off Performance 12
   - **3.2** Hydraulic Power 13
   - **3.3** Drawbar Performance 14

4. **OPTIONAL TESTS**
   - **4.1** Drawbar Power (Unballasted – 2100 rev/min) 15
   - **4.2** Drawbar Power (Ballasted – 22680 kg – 1800 rev/min) 16
   - **4.3** Drawbar Power (Ballasted – 25401 kg – 1800 rev/min) 17
   - **4.4** Drawbar tests for models without PTO 18
   - **4.5** Measurement of Noise Level at Operator's Ear 19

5. **REPAIRS** 19

6. **REMARKS** 19

7. **DRAWBAR PERFORMANCE CURCES** 20

SPECIMEN TEST REPORT

Note: Units shown below, which appear in ISO 1000:1992, shall be stated and followed by national units in parentheses, if necessary.

C[1]		- Tractors manufacturer's name and address:	AGCO, 4205 River Green Pkwy. Duluth, GA 30096
D[1]		- Location of tractor assembly:	AGCO - Jackson, 202 Industrial Park, Jackson, MN 56143 USA
D		- Submitted for test by:	AGCO
C		- Selected for test by:	AGCO in agreement with the test station
D		- Place of running-in:	AGCO, Jackson, MN
D		- Duration of running-in (hours):	21 hrs
C		- Location of test:	Nebraska Tractor Test Laboratory University of Nebraska Lincoln, Nebraska 68583-0832 USA

1. SPECIFICATIONS OF TRACTOR

1.1 Identification

C	1.1.1	- Make of tractor (*):	Challenger
C		- Model (trade name):	MT875B
C		- Type:	Rubber Track

- *2 WD or 4 WD; rubber or steel tracks (if applicable); articulated 4 WD or articulated 4WD with twin (dual) wheels (if applicable)*

(*) *Possibly different from tractor manufacturer's name*

	1.1.2	Numbers	
D		- 1st Serial No. or prototype:	Confidential
C		- Serial No.:	AGCMT875PBFT60101
	1.1.3	Other specifications (if applicable)	
D		- Model(s) for other countries:	same
C		- Transmission type or gears x ranges:	16 speed powershift
C		- Speed version:	40 km/h

- *30, 40, or 50 km/h*

D	- Manufacturer identification or Technical type number:	

1. The information opposite each item shall be validated by the Testing Station. An item marked "C" indicates to the test report user that the information declared by the manufacturer has been checked; an item marked "D" that the manufacturer's declaration has been endorsed. For example, the make of the supercharging device is declared by the manufacturer and checked "C" as consistent with the tractor by the testing station, while the pressure of the supercharging device is simply declared "D" by the manufacturer. Testing station's markings show compliance with article 8 of Appendix 3 to the Decision.

	1.2	Engine	
C		- Make / Model / Type:	Caterpillar C-18 4-stroke diesel, Tier III
C		- Serial No.:	EJG00101
	1.2.1	Cylinders	
C		- Number / disposition:	6, in-line, vertical
D		- Bore / Stroke (mm / mm):	145 mm x 183 mm
D		- Capacity (cm^3):	18130
D		- Compression ratio:	16.5:1
D		- Arrangement of valves:	4 per cylinder (2 intake, 2 exhaust)
D		- Cylinder liners (wet or dry):	wet
	1.2.2	Supercharging	
C		- Make / Model / Type:	Borg Warner/241-1703/wastegated
D		- Pressure (MPa):	.138 (MPa)
	1.2.3	Fuel System	
C		- Fuel feed system:	Caterpillar gear-driven transfer pump
		- Make / Model / Type of fuel filter(s)	
C		. Primary:	Caterpillar / radial seal, spin-on water separator, 10 micron paper element
C		. Secondary:	Caterpillar / radial seal, spin-on, 2 micron paper element
D		- Capacity of fuel tank (dm^3):	main tank 1080 dm3 standard optional: modular tank 95 dm3
C		- Make / Model / Type of injection pump:	Caterpillar / 244-7718 / Electronic Unit Injector
C		- Serial No.:	None, pump is integral to engine
		- Manufacturer's production setting of injection pump	
C		. Flow rate (rated engine speed and full load) (dm^3/h):	104.5 – 110.9 (dm^3/h)
D		. Timing:	Variable, electronically controlled
D		- Make / Model / Type of injectors:	Caterpillar/ 244-7718 / Electronic Unit Injector
D		- Injection pressure (MPa):	Electronically controlled 180 MPa
C		- Make / Model / Type of carburetor:	N/A
	1.2.4	Governor	
C		- Make / Model / Type:	Caterpillar / ADEM IV / electronic
C		- Governed range of engine speed from ____ to ____ (min^{-1} (rev/min)):	800-2300 (min^{-1} (rev/min))
C		- Rated engine speed (min^{-1} (rev/min)):	2100 (min^{-1} (rev/min))

	1.2.5	Air Cleaner	
		- Pre-cleaner	
C		. Make / Model / Type:	Fleetguard Nelson / 71683A / Strada w/aspirator
C		. Location of air intake:	Front of tractor between radiator and hood
		- Main cleaner	
		. Make / Model / Type	
C		- Primary:	Fleetguard Nelson / 71683A / primary dry w/safety
C		- Secondary:	Fleetguard Nelson / 71683A / dry
C		. Location of air intake (in case of no pre-cleaner):	Front of tractor between radiator and hood
C		- Maintenance indicator:	Restriction gauge on air intake near air cleaner
	1.2.6	Lubrication system	
D		- Type of feed pump:	concentric-gerotor pump
C		- Type of filter(s):	Caterpillar spin-on (cellulose media)
C		- Number of filter(s):	one
	1.2.7	Cooling system	
C		- Type of coolant:	liquid
D		- Type of pump:	impeller pump
		- Specification of fan or blower	
C		. Number of fan blades:	8
C		. Fan diameter (mm):	965.2 mm
D		- Coolant capacity (dm^3):	62
C		- Type of temperature control:	dual thermostat
D		- Superpressure system (Kpa):	89.6 kPa
	1.2.8	Starting system	
C		- Make / Model / Type:	Delco Remy America/ 42MT/ solenoid engaging
D		- Starter motor power rating (kW):	two starters, 7.76 kW each
C		- Cold starting aid:	Ether spray in intake manifold
C		- Safety device:	engine software
	1.2.9	Electrical system	
C		- Voltage (V):	12 V
		- Generator	
C		. Make / Model / Type:	Prestolite Electric Inc, SCJ2217, brush-type, clockwise rotation
D		. Power (kW):	2.16 @ 2100 rpm engine speed
		- Battery of accumulators	
C		. Number:	4
D		. Rating (Ah at ____ hours):	1000 cold cranking amps, 360 Ah at 20 hrs

	1.2.10	Exhaust system	
C		- Make / Model / Type:	Fleetguard Nelson / 200959A / aspiring muffler and exhaust pipe vertical next to front RH cab A-post
C		- Location:	
	1.3	Transmission	
	1.3.1	Clutch (travel and power take-off / travel alone)	
D		- Make / Model / Type:	Caterpillar / Model n/a / wet disc integral with transmission, oil cooled
D		- Number of plates:	6
D		- Diameter of plates (mm):	215 mm
C		- Method of operation:	electronic/hydraulic, pedal/software actuated
	1.3.2	Gear box	
D		- Make / Model / Type:	Caterpillar/ Model MT800 / electronically-controlled direct drive, full powershift
		- Description:	six rotating countershaft clutches, two stationary planetary clutches

		Forward	Reverse
C	Number of ranges	all gears accessible with use of single hand lever	all gears accessible with use of single hand lever
C	Number of gears	16	4
C	Total of arrangements	16	4

D		- Available options:	N/A
	1.3.3	Rear axle and final drives	
D		- Make / Model / Type:	Caterpillar / Model MT800 / inboard single reduction, 3 planetary final drive w/Caterpillar steering differential
		- Differential lock	
D		. Type:	N/A
C		. Method of engagement:	N/A
C		. Method of disengagement:	N/A
	1.3.4	Front axle and final drives	
D		- Make / Model / Type:	N/A
		- Differential lock	
D		. Type:	N/A
C		. Method of engagement:	N/A
C		. Method of disengagement:	N/A

1.3.5 Total ratios and traveling speeds

Gear No.	Group or range	Number of engine revolutions for one revolution of the driving wheels	Nominal traveling speed at rated engine of 2100 min^{-1} (rev / min) km/h
Forward			
1	1	230.91	2.69
2	**1**	**181.85**	**3.43**
3	1	143.68	4.31
4	1	113.15	5.48
5	1	95.03	6.54
6	1	84.40	7.37
7	1	74.83	8.31
8	1	66.47	9.34
9	1	59.13	10.51
10	1	52.52	11.82
11	1	46.56	13.34
12	1	41.36	15.02
13	1	34.73	17.87
14	1	27.35	22.71
15	1	21.61	28.75
16LO	1	17.02	36.49
16HI*	1	17.02	40.00
1R	1	288.64	2.16
2R	1	118.78	5.22
3R	1	105.50	5.89
4R	1	43.42	14.30
Calculated with wheel dynamic radius of 785 mm *(*) Engine high idle increases to 2300 rev/min in 16HI*			

1.4 Power take-off (PTO) Not Available

	1.5	Hydraulic power lift	
C		- Make / Model / Type:	AGCO / Model MT800
C		- Type of hydraulic system:	closed-center, load sensing
C		- Type and number of cylinders (single or double acting):	None
C		- Type of linkage lock for transport:	None
D		- Relief valve pressure setting (tolerance) (MPa):	20.3 MPa ±0.3 MPa
D		- Opening pressure of cylinder safety valve (if fitted) (MPa):	None
D		- Lift pump type:	Piston pump
D		- Transmission between pump and engine:	1.282:1
C		- Type and number of filters:	Two - 5 micron
C		- Site of oil reservoir:	Internal to main reservoir
C		- Type, number, and location of tapping points:	4 pairs of ISO-5675 standard coupings at rear of tractor
D		- Maximum volume of oil available to external cylinders (dm^3):	120 dm3
	1.6	Three point linkage	Not Available
	1.7	Swinging drawbar	
C		- Type:	Oscillating ASAE S482 Category IV
		- Height above ground	
C		. Minimum (mm):	500 mm
C		. Maximum (mm):	500 mm
C		- Type of adjustment:	None
		- Distance of hitch point from rear wheel axis	
C		. Horizontally (mm):	1193 mm
		- Distance of hitch point from power take-off shaft end	
C		. Horizontally (mm):	N/A
C		. Vertically (mm):	N/A
C		- Lateral adjustment (center of clevis)	
C		. Left hand (mm):	740 mm
C		. Right hand (mm):	740 mm
		- Distance of pivot point from rear wheel axis	
C		. Horizontally (mm):	250 mm
C		- Diameter of drawbar pinhole (mm):	52 mm
D		- Maximum vertical permissible load (kN):	44.44 kN
	1.8	Trailer hitch	- Not Applicable

	1.9	Holed drawbar	- Not Applicable
	1.10	Steering	
D		- Make / Model / Type:	Caterpillar / Model MT800 / differential steer
		- Method of operation	
D		. Pump(s):	Rexroth piston pump and Rexroth motor, electro-hydraulic valve controlled by steering wheel
D		. Rams(s):	N/A
D		- Working pressure (MPa):	44 ±1 MPa
	1.11	**Brakes**	
	1.11.1	Service brake	
D		- Make / Model / Type:	Caterpillar / Model MT800 / internal wet disc, oil cooled, hydraulically boosted, located in steering differential
C		- Method of operation:	Manual pedal and power brake modulating valve
C		- Trailer braking take-off (hydraulic or air brakes):	None on North American tractors
	1.11.2	Parking brake	
C		- Type:	Internal wet disc
C		- Method of operation:	Spring-applied, electronic-hydraulic released, switch operated
	1.12	**Wheels**	
		- Number	
C		. Front (driving / steering):	N/A
C		. Rear (driving / steering):	N/A
C		- Wheelbase (mm):	N/A
		- Track width adjustment:	

		Minimum mm	Maximum mm	Adjustment method
D	Front	2286	3048	Sliding hub on axle
D	Rear	2286	3048	Sliding hub on axle

	1.13	**Protective structure**	
C		- Make / Model / Type:	AGCO/Crenlo / Model MT800/ 4-post ROPS
C		- Manufacturer's name and address:	Crenlo Inc., 1600 4th Ave NW, Rochester, MN
		- Protective device	
C		. Cab / frame / rollguard / other:	Cab/frame
C		. Tiltable / not tiltable:	Not tiltable
		- OECD approval	
C		. approval number:	4/0 708/1
C		. Date of approval:	02 Jun 2005
C		. Nos. of minor modification certificates, if any:	N/A

1.14 Seat(s)

1.14.1 Driver's seat

C	- Make / Model / Type	Sears / Model 5060/ Air, six-way adjustable
C	- Seat and steering wheel reversible: Yes / No	No
C	- Type of suspension:	Air
C	- Type of damping:	Adjustable damper
	- Range of adjustment	
C	. Longitudinally (mm):	152 mm
C	. Vertically (mm):	172 mm
C	- Safety belt:	Yes
	. Type:	Retractable
	1.14.2. Optional driver's seat(s)	Not Available
	1.14.3 Passenger seat	
C	- Location:	Left side of cab
C	- Capacity (number)	One

1.15 Lighting

		Height above ground of centre	Size	Distance from outside edge of lights to median plane of tractor
		mm	mm	mm
	Headlights			
C	2 front high beam, 2 front low beam, 55 W each	1830	460 x 120	460
	Sidelights			
C		1580	110 x 110	1580
	Rearlights			
C	2 rear tail/brake, 5 W/27 W each	2080	600 x 100	1030
	Reflectors			
C		2060	230 x 110	1510

2. TEST CONDITIONS

Separate tables may be added to report other test conditions or equipments.

2.1 Overall dimensions

	Length	Width		Height at top of:	
		minimum	maximum	protective structure	exhaust pipe
	mm	mm	mm	mm	mm
Ballasted	6863	3588	4160	3485	3480
Unballasted	6215	3588	4160	3485	3480

2.2 Ground clearance (unballasted tractor)

(mm): 345.4 mm

- Clearance – limiting part: Drawbar

2.3 Tractor mass

- Mass (with cab)

	Unballasted		Ballasted 50k		Ballasted 56k	
	With driver kg	Without driver kg	With driver kg	Without driver kg	With driver kg	Without driver kg
Left	10022	9985	11450	11410	12773	12736
Right	9800	9762	11230	11195	12628	12590
Total	19822	19747	22680	22605	25401	25326

Ballast Added 50k	Number of Weights	Total Mass	Liquid
		kg	kg
Front (weights)	32	1451	NA
Front (weight support)	1	490	NA
Wheel (weights)	11	645	NA
Idler (weights)	-	-	NA
Idler (weight support)	2	272	NA

Ballast Added 56k	Number of Weights	Total Mass	Liquid
		kg	kg
Front (weights)	32	1451	NA
Front (weight support)	1	490	NA
Wheel (weights)	36	2111	NA
Idler (weights)	30	1255	NA
Idler (weight support)	2	272	NA

2.4 Track specifications

Track materials:	Rubber covered steel cables
Track width and base (mm):	914 mm, 3110 mm
Dynamic radius (rolling radius) (mm):	785 mm
Track support system:	Eight rubber midwheels
Treadbars	
. Number of treadbars per metre:	9.8
. Height, width, and length (mm):	75 mm, 64 mm, 475 mm
Other specifications:	NA

2.5 Tyres and track specifications

	Front	Rear
Tyres	track	Track
Chosen track width (mm):	2654 mm	2654 mm

2.6 Fuel

- Type: Diesel grade 2-D in conformity with national standard
  - *in conformity / not in conformity with national standards*
- Density at 15° C: 0.842 g/cm^3

2.7 Oil and lubricants

2.7.1 Capacity and change interval

	Capacity	Oil Change	Filter change
	Dm^3	h	h
Engine	38	250	250
Gear Box	304*	1000*	250*
Front Axle	N/A	N/A	N/A
Rear Axle	N/A	N/A	N/A
Final Drive (front)	N/A	N/A	N/A
Final Drive (rear)	304*	1000*	250*
Hydraulic System (*)	304*	1000*	250*
Other (steering, ___)	304*	1000*	250*
(*) State if common with gear box and rear axle.			

2.7.2 Specifications (SAE, API, CCMC, ACEA, Mil.L, ISO)

	Recommended	Used during test
Engine oil		
. Type:	Caterpillar Fluids	Caterpillar Fluids
. Viscosity:	SAE 10W30	SAE 10W30
. Classifications:	API CI-4	API CI-4
Transmission oils		
. Type:	Northland Products 821XL	Northland Products 821XL
. Viscosity:	SAE 10W30	SAE 10W30
. Classifications:	API TO-2	API TO-2
Hydraulic fluid		
. Type:	Northland Products 821XL	Northland Products 821XL
. Viscosity:	SAE 10W30	SAE 10W30
. Classifications:	API TO-2	API TO-2
Steering oil		
. Type:	Northland Products 821XL	Northland Products 821XL
. Viscosity:	SAE 10W30	SAE 10W30
. Classifications:	API TO-2	API TO-2

2.7.3 Grease

- Number of lubrication points: None

3 Test Results

3.1 Main power take-off

N/A

2 HYDRAULIC POWER AND LIFTING FORCE

2.1 Hydraulic Power Test

Date of Test: 4-May-05 Location of Test-City-State: Tractor Test Lab, Lincoln, NE, USA
Tractor Model: Challenger MT875B Tapping point used for test: Remote hydraulic outlets

2.1.1 Hydraulic Fluid Characteristics

Found in: **2.7.2 Specifications**
Viscosity at 65C - 25 cSt

2.1.2 Compulsory Report (Test Results):

	Pressure	Reservoir oil Temperature	Engine Speed	Flow Rate	Power
	MPa	°C	rev/min	l/min	kW
ated Engine Speed: /lanufactures Specification)			2100		
aximum (sustained) pressure with lief valve open as measured at the upler Pump stalled: Yes	20.67	69	2190		
ow rate corresponding to a hydraulic essure equivalent to 90 percent of the tual relief valve pressure setting and rresponding hydraulic power through vo coupler pairs:	18.60	69	2190	202.9	62.9
laximum available flow from one coupler air:	4.97	58	2190	166.2	13.8
laximum available power from one upler pair:	14.65	61	2190	143.8	35.1
laximum available flow from coupler airs operating simultaneously (flow rough two or more coupler pairs if quired):	4.36	62	2190	233.2	17.0
laximum power from coupler pairs perating simultaneously (flow through vo or more coupler pairs if required):	18.35	68	2190	212.4	64.9

.2.2 Compulsory power lift test

N/A

OECD Drawbar Data (SI)

Date of tests:	26,27,28-Apr-05					Fuel density:	0.842 kg/l							
Type of track:	Concrete					Test number:	1879							
3.3.1 Maximum power in tested gears (unballasted, CRWL)							Tire pressure: track					Drawbar Height: 495 mm		
Gear Number and range	Power	Drawbar pull	Speed	Engine speed	Slip of wheels and/or tracks	Fan speed	Fuel		Temperature			Atmospheric conditions		
							Specific fuel consumption	Specific energy	Fuel	Coolant	Oil	Temperature	Relative humidity	Pressure
	kW	kN	km/h	min^{-1}	%	min^{-1}	g/kW.h	kW.h/l	°C	°C	°C	°C	%	kPa
2	147.21	188.45	2.81	1939	10.9	N/A	386	2.18	57	82	90	8	61	97.7
3	196.30	192.36	3.67	2006	11.1	N/A	352	2.39	59	83	91	6	63	97.7
4	255.09	186.48	4.92	2106	10.6	N/A	348	2.42	61	83	92	6	63	97.7
5	281.76	180.90	5.61	1995	9.8	N/A	300	2.81	61	83	92	6	70	97.7
6	304.08	177.57	6.16	1921	8.4	NA	286	2.95	59	84	93	7	71	97.3
7	331.45	170.05	7.02	1908	6.8	NA	279	3.01	59	84	93	8	66	97.3
8	353.99	164.01	7.77	1862	6.1	NA	274	3.07	59	84	93	8	61	97.3
9	363.25	149.72	8.73	1821	4.1	N/A	268	3.15	60	85	93	12	55	96.8
10	368.71	135.20	9.82	1799	3.1	N/A	263	3.20	59	84	93	9	57	96.7
11	366.39	117.85	11.19	1796	2.1	N/A	266	3.17	59	85	93	10	58	96.7
12	367.31	104.21	12.69	1801	1.4	N/A	266	3.17	59	84	93	11	59	96.8
13	365.23	86.62	15.18	1798	0.9	N/A	266	3.17	59	84	93	11	54	96.8
3.3.2 Fuel consumption														
3.3.2.1	In selected gear/speed setting nearest 7.5 km/hr, at maximum power at rated engine speed													
6	306.80	157.17	7.03	2099	4.4	NA	287	2.93	60	83	92	7	71	97.3
3.3.2.1.1	75% of pull corresponding to maximum power at rated engine speed													
6	247.38	118.04	7.54	2198	2.1	NA	362	2.33	61	83	93	9	57	97.3
3.3.2.1.2	50% of pull corresponding to maximum power at rated engine speed													
6	166.81	78.57	7.64	2198	0.8	NA	383	2.20	60	83	92	12	50	97.3
3.3.2.1.3	Highest gear/speed setting at reduced engine speed able to achieve both 3.3.2.1.1 and 3.3.2.1.2; same pull and traveling speed as in 3.3.2.1.1													
9	246.98	118.08	7.53	1536	2.1	NA	275	3.06	57	84	91	11	53	97.3
3.3.2.1.4	Same gear/speed selection as 3.3.2.1.3 at reduced engine speed; same pull and traveling speed as in 3.3.2.1.2													
9	166.34	78.71	7.61	1534	0.8	NA	302	2.79	57	83	90	12	51	97.3
3.3.2.2	In selected gear/speed setting nearest between 7 km/hr and 10 km/hr at rated engine speed													
8	321.41	127.01	9.11	2100	2.5	N/A	280	3.01	61	84	93	12	55	96.9
3.3.2.2.1	75% of pull corresponding to maximum power at rated engine speed													
8	255.16	95.08	9.66	2196	1.1	NA	345	2.44	63	83	93	14	44	97.3
3.3.2.2.2	50% of pull corresponding to maximum power at rated engine speed													
8	171.36	63.34	9.74	2200	0.6	NA	380	2.22	61	83	92	15	50	97.3
3.3.2.2.3	Highest gear/speed setting at reduced engine speed able to achieve both 3.3.2.2.1 and 3.3.2.2.2; same pull and traveling speed as in 3.3.2.2.1													
11	253.61	94.94	9.62	1532	1.2	NA	277	3.04	58	84	91	14	49	97.3
3.3.2.2.4	Same gear/speed setting 3.3.2.2.3 at reduced engine speed; same pull and traveling speed as in 3.3.2.2.2													
11	170.62	63.32	9.70	1536	0.5	NA	309	2.72	57	84	90	14	54	97.3

OECD Drawbar Data (SI)

Date of tests:	26,27,28-Apr-05				**Fuel density:**	0.842 kg/l								
Type of track:	Concrete				**Test number:**	1879								
3.3.1 Maximum power in tested gears (unballasted, CRWL)							**Tire pressure:**	track				**Drawbar Height:**	495 mm	
Gear Number and range	**Power**	**Drawbar pull**	**Speed**	**Engine speed**	**Slip of wheels and/or tracks**	**Fan speed**	**Fuel**		**Temperature**			**Atmospheric conditions**		
							Specific fuel consumption	**Specific energy**	**Fuel**	**Coolant**	**Oil**	**Temperature**	**Relative humidity**	**Pressure**
	kW	kN	km/h	min^{-1}	%	min^{-1}	g/kW.h	kW.h/l	°C	°C	°C	°C	%	kPa
2	153.93	176.89	3.13	2100	8.3	N/A	397	2.12	57	82	91	9	62	97.7
3	202.44	187.51	3.89	2101	10.2	N/A	356	2.37	60	83	91	6	63	97.7
4	254.09	185.47	4.93	2109	10.6	N/A	354	2.38	61	83	92	6	63	97.7
5	288.41	170.56	6.09	2097	6.7	N/A	300	2.81	61	83	93	6	70	97.7
6	306.80	157.17	7.03	2099	4.4	NA	287	2.93	60	83	92	7	71	97.3
7	316.11	142.20	8.00	2099	3.5	NA	285	2.95	61	83	93	7	72	97.3
8	321.41	127.01	9.11	2100	2.5	N/A	280	3.01	61	84	93	12	55	96.9
9	318.85	111.10	10.33	2098	1.8	N/A	283	2.97	61	84	94	11	60	96.8
10	317.23	97.92	11.66	2096	1.3	N/A	283	2.97	60	84	93	9	62	96.7
11	310.70	84.55	13.23	2101	1.0	N/A	290	2.91	61	84	94	10	58	96.7

OECD Drawbar Data (SI)

Date of tests:	29-Apr & 2-May-05					**Fuel density:**	0.842 kg/l							
Type of track:	Concrete					**Test number:**	1879							
3.3.1 Maximum power in tested gears (ballasted, CRWL)							**Tire pressure:**	N/A kPa, rear		N/A kPa, front		**Drawbar Height:**	495 mm	
Gear Number and range	**Power**	**Drawbar pull**	**Speed**	**Engine speed**	**Slip of wheels and/or tracks**	**Fan speed**	**Fuel**		**Temperature**			**Atmospheric conditions**		
							Specific fuel consumption	**Specific energy**	**Fuel**	**Coolant**	**Oil**	**Temperature**	**Relative humidity**	**Pressure**
	kW	kN	km/h	min^{-1}	%	min^{-1}	g/kW.h	kW.h/l	°C	°C	°C	°C	%	kPa
3	197.19	203.41	3.49	1811	6.5	N/A	323	2.61	56	83	95	7	57	98.5
4	247.90	202.52	4.41	1795	6.3	N/A	296	2.85	58	83	91	6	62	98.5
5	287.41	195.73	5.29	1805	6.1	N/A	279	3.02	58	83	92	8	54	98.5
6	314.29	190.08	5.95	1799	5.8	N/A	269	3.13	59	84	93	9	56	98.5
7	362.46	193.56	6.74	1802	5.5	N/A	259	3.26	59	84	93	8	54	97.7
8	373.04	173.43	7.74	1808	3.9	N/A	258	3.27	60	84	93	9	55	97.7
9	372.97	153.26	8.76	1799	2.9	N/A	261	3.23	59	84	93	10	52	97.7
10	376.67	136.10	9.96	1800	2.0	N/A	259	3.25	59	84	93	10	52	97.7
11	370.91	118.11	11.31	1801	2.1	N/A	263	3.20	59	84	93	10	52	97.7
12	372.41	104.95	12.77	1803	1.1	N/A	263	3.20	59	84	93	11	47	97.7
13	367.61	86.90	15.23	1798	0.8	N/A	264	3.19	59	84	93	11	47	97.7

OECD Drawbar Data (SI)

Date of tests:	03-May-05					Fuel density:	0.842 kg/l							
Type of track:	Concrete					Test number:	1879							
3.3.1 Maximum power in tested gears (ballasted56k, CRWL)							Tire pressure: track					Drawbar Height: 495 mm		
Gear Number and range	Power	Drawbar pull	Speed	Engine speed	Slip of wheels and/or tracks	Fan speed	Fuel		Temperature			Atmospheric conditions		
							Specific fuel consumption	Specific energy	Fuel	Coolant	Oil	Temperature	Relative humidity	Pressure
	kW	kN	km/h	min^{-1}	%	min^{-1}	g/kW.h	kW.h/l	°C	°C	°C	°C	%	kPa
3	194.55	203.65	3.44	1795	7.1	N/A	313	2.69	58	83	91	14	44	98.4
4	253.55	206.18	4.43	1817	7.0	N/A	297	2.83	59	83	92	14	44	98.3
5	291.19	197.29	5.31	1803	5.6	N/A	277	3.04	59	84	92	14	43	98.3
6	320.31	191.10	6.03	1803	4.7	N/A	266	3.17	59	84	93	13	47	98.3
7	366.58	193.81	6.81	1805	4.8	N/A	266	3.17	60	84	93	13	51	98.3
8	375.74	173.53	7.79	1803	3.1	N/A	260	3.24	59	84	93	12	50	98.3
9	374.82	152.37	8.86	1800	1.9	N/A	259	3.25	59	84	93	7	58	98.3
10	377.72	135.74	10.02	1801	1.5	N/A	258	3.26	59	84	93	8	54	98.3
11	372.99	118.27	11.35	1801	1.0	N/A	261	3.22	59	84	93	9	50	98.3
12	371.87	104.74	12.78	1799	1.0	N/A	261	3.22	59	84	93	11	47	98.3
13	368.96	87.08	15.25	1798	0.8	N/A	266	3.17	57	84	92	12	44	98.3

OECD Drawbar Data (SI)

Date of tests:	26-Apr-05					**Fuel density:**	0.842 kg/l							
Type of track:	Concrete					**Test number:**	1879							
3.3.1 Maximum power in tested gears (unballasted)							**Tire pressure:**	Track				**Drawbar Height:**	495 mm	
Gear Number and range	**Power**	**Drawbar pull**	**Speed**	**Engine speed**	**Slip of wheels and/or tracks**	**Fan speed**	**Fuel**		**Temperature**			**Atmospheric conditions**		
							Specific fuel consumption	**Specific energy**	**Fuel**	**Coolant**	**Oil**	**Temperature**	**Relative humidity**	**Pressure**
	kW	kN	km/h	min^{-1}	%	min^{-1}	g/kW.h	kW.h/l	°C	°C	°C	°C	%	kPa
3.3.4.1		Two hour maximum drawbar power test												
10	344.84	122.56	10.13	1886	4.7	N/A	279	3.02	62	84	94	16	51	97.4
3.3.4.2		Drawbar full load (lugging run) test												
10	317.23	97.92	11.66	2096	1.3	N/A	283	2.97	60	84	93	9	62	96.7
10	344.65	112.04	11.07	2001	1.8	N/A	275	3.06	60	84	93	9	57	96.7
10	360.68	124.20	10.45	1898	2.4	N/A	266	3.16	59	84	93	9	57	96.7
10	368.71	135.20	9.82	1799	3.1	N/A	263	3.20	59	84	93	9	57	96.7
10	360.54	140.78	9.22	1697	3.6	N/A	258	3.26	59	84	93	9	63	96.7
10	357.22	148.89	8.64	1597	4.0	N/A	256	3.29	58	85	93	9	63	96.7
10	343.55	153.67	8.05	1497	4.7	N/A	248	3.39	57	85	93	9	63	96.7
10	323.06	154.64	7.52	1400	4.8	N/A	259	3.25	57	85	93	9	63	96.7
10	294.99	152.00	6.99	1298	4.5	N/A	243	3.46	56	85	92	10	58	96.7
3.3.4.3		75% of pull at maximum power at rated engine speed												
10	250.15	73.24	12.30	2196	0.7	N/A	349	2.41	63	84	94	15	50	97.3
3.3.4.4		50% of pull at maximum power at rated engine speed												
10	167.65	48.95	12.33	2197	0.5	N/A	391	2.15	62	83	92	16	51	97.3
*Maximum drawbar power sustained for two hours														

4.5 Measurement of Noise Level at Operator's Ear*

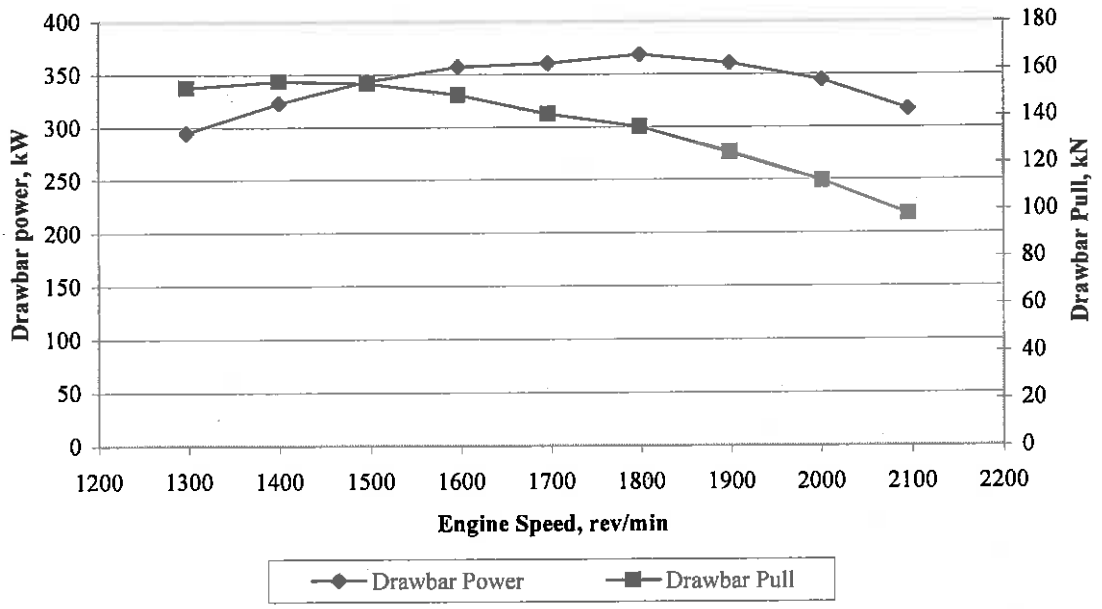
-- Date of Test	April 28, 2005
-- Location of Test	Nebraska Tractor Test Laboratory
-- Sound Level Meter	Bruel and Kjaer 2236
-- Type of Track	Concrete Oval
-- Gear Number	6
-- Drawbar Load	None
-- Noise at Operator Ear	76.1 dB(A)

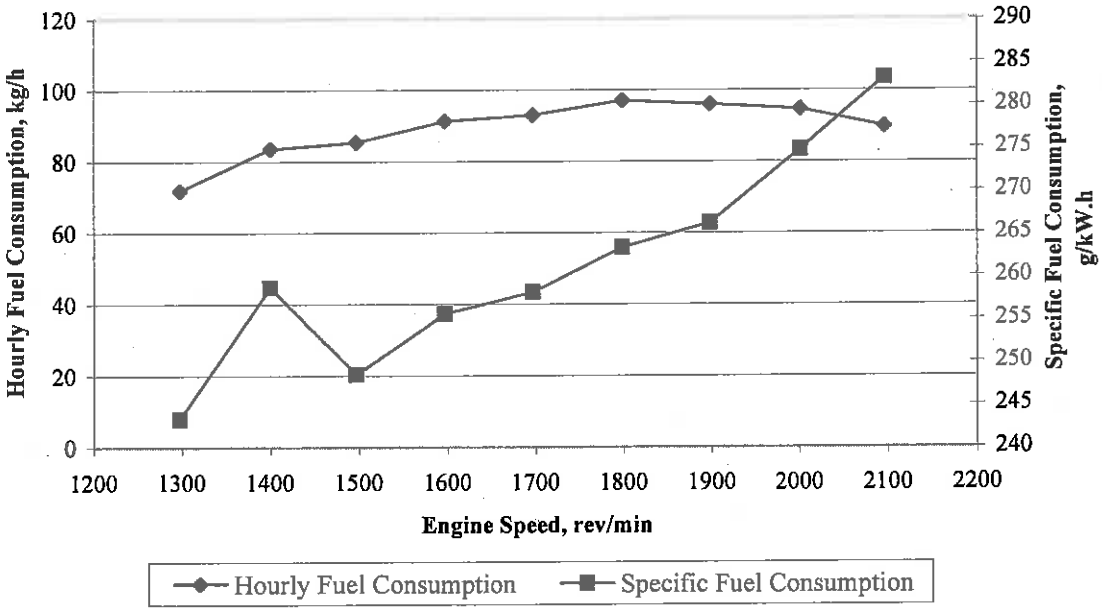
* Note: Nebraska tractor test station guidelines. Not covered by the OECD approval.

5. Repairs and Adjustments: None

6. Remarks: None

4.4.6.3 Graphical presentation of results





4.5 Measurement of Noise Level at Operator's Ear*

-- Date of Test	April 28, 2005
-- Location of Test	Nebraska Tractor Test Laboratory
-- Sound Level Meter	Bruel and Kjaer 2236
-- Type of Track	Concrete Oval
-- Gear Number	6
-- Drawbar Load	None
-- Noise at Operator Ear	76.1 dB(A)

* Note: Nebraska tractor test station guidelines. Not covered by the OECD approval.

5. Repairs and Adjustments: None

6. Remarks: None