OECD APPROVAL NO. 2/2 406
CODE 2
DATE OF APPROVAL: 20 March 2008

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



John Deere 7930 IVT
Mechanical Front Wheel Drive (MFWD)

MANUFACTURED BY:	**John Deere Tractor Works** **3500 East Donald Street** **Waterloo, IA 50704-0270**
NEBRASKA TEST NO.	**1897**
TEST DATES:	**March – April, 2007**

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 20 March 2008 for the John Deere 7930 IVT, Mechanical Front Wheel Drive (MFWD) tractor with OECD Number 2/2 406.

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: APR 25 2008

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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:	John Deere Tractor Works 3500 East Donald St. P.O. Box 270 Waterloo, IA 50704-0270
D[1]		- Location of tractor assembly:	Same
D		- Submitted for test by:	The Manufacturer
C		- Selected for test by:	The Manufacturer in agreement with the Nebraska Tractor Test Laboratory
D		- Place of running-in:	John Deere Product Engineering Center, Waterloo, Iowa
D		- Duration of running-in (hours):	92 hours
C		- Location of test:	Nebraska Tractor Test Laboratory, Lincoln, Nebraska U.S.A.
	1.	**SPECIFICATIONS OF TRACTOR**	
	1.1	**Identification**	
C	1.1.1	- Make of tractor (*):	John Deere
C		- Model (trade name):	7930
C		- Type: • *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*	4WD
	1.1.2	Numbers	
D		- 1st Serial No. or prototype:	CONFIDENTIAL
C		- Serial No.:	*RW7930D002169*
	1.1.3	Other specifications (if applicable)	
D		- Model(s) for other countries:	N/A
C		- Transmission type or gears x ranges:	40K IVT (Hydro-mechanical) (4 gears x 5 ranges)
C		- Speed version: • *30, 40, or 50 km/h*	40 km/h
D		- Manufacturer identification or Technical type number:	N/A

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:	John Deere / PE6068HRW65 / Diesel; 4-stroke; turbocharged, direct injection, air to air intercooled
C		- Serial No.:	*PE6068L004033*
	1.2.1	Cylinders	
C		- Number / disposition:	6 / inline, vertical
D		- Bore / Stroke (mm / mm):	106.5 x 127
D		- Capacity (cm^3):	6784
D		- Compression ratio:	17.0 : 1
D		- Arrangement of valves:	Overhead; 4 valves per cylinder
D		- Cylinder liners (wet or dry):	Wet; replaceable
	1.2.2	Supercharging	
C		- Make / Model / Type:	Borg Warner / RE526247 / Variable Geometry exhaust gas driven
D		- Pressure (MPa):	0.155
	1.2.3	Fuel System	
C		- Fuel feed system:	Electric Transfer Pump
		- Make / Model / Type of fuel filter(s)	
C		. Primary:	Fleetguard / RE529643 / 30 micron multilayer water separating
C		. Secondary:	Fleetguard / RE522878 / 2 micron multilayer water separating
D		- Capacity of fuel tank (dm^3):	392 on tested tractor; 358 w/RH door
C		- Make / Model / Type of injection pump:	Denso / RE527528 / HPCR; electronic
C		- Serial No.:	05H 00854
		- Manufacturer's production setting of injection pump	
C		. Flow rate (rated engine speed and full load) (dm^3/h):	39.0 +/- 2
D		. Timing:	Variable
D		- Make / Model / Type of injectors:	Denso / RE527248 / HPCR Injection
D		- Injection pressure (MPa):	115
C		- Make / Model / Type of carburetor:	N/A
	1.2.4	Governor	
C		- Make / Model / Type:	John Deere / FOCUS / Electronic Control
C		- Governed range of engine speed from ____ to ____ (min^{-1} (rev/min)):	900 to 2200
C		- Rated engine speed (min^{-1} (rev/min)):	2100

	1.2.5	Air Cleaner	
		- Pre-cleaner	
C		. Make / Model / Type:	Donaldson / RE196946 / Stratotube precleaner with fan aspirator
C		. Location of air intake:	Under hood, front of tractor
		- Main cleaner	
		. Make / Model / Type	
C		- Primary:	Donaldson / RE196945 / PowerCore™ pleated paper
C		- Secondary:	Donaldson / RE181915 / PowerCore™ pleated paper
C		. Location of air intake (in case of no pre-cleaner):	Under hood, in front of cab
C		- Maintenance indicator:	Console mounted warning light and audible signal
	1.2.6	Lubrication system	
D		- Type of feed pump:	Full pressure, positive displacement
C		- Type of filter(s):	Full Flow
C		- Number of filter(s):	1 spin on
	1.2.7	Cooling system	
C		- Type of coolant:	Liquid
D		- Type of pump:	Centrifugal, belt driven
		- Specification of fan or blower	
C		. Number of fan blades:	9
C		. Fan diameter (mm):	660.4
D		- Coolant capacity (dm^3):	29.3
C		- Type of temperature control:	Two thermostats and variable speed fan
D		- Superpressure system (kPa):	70 +/- 2
	1.2.8	Starting system	
C		- Make / Model / Type:	Denso / RE501294 / Solenoid engaged
D		- Starter motor power rating (kW):	4.0
C		- Cold starting aid:	Glow plug thermal assist
C		- Safety device:	Electrical lockout on gearshift lever
	1.2.9	Electrical system	
C		- Voltage (V):	12
		- Generator	
C		. Make / Model / Type:	Bosch/ RE210793 / Belt driven alternator with built-in regulator
D		. Power (kW):	2.4
		- Battery of accumulators	
C		. Number:	Two; 925 CCA, RC 180
D		. Rating (Ah at ____ hours):	154 Ah at 20 hours

1.2.10 Exhaust system

C - Make / Model / Type: Nelson / RE200848 / Expansion Chamber

C - Location: Vertical muffler, right front corner of cab

1.3 Transmission

1.3.1 Clutch (travel alone)

D - Make / Model / Type: John Deere / Multiple plate / Oil cooled

D - Number of plates: 6 forward / 5 reverse

D - Diameter of plates (mm): 225 forward; 295 reverse

C - Method of operation: Electro-Hydraulic; pedal actuated

1.3.2 Gear box

D - Make / Model / Type: John Deere / 40K IVT / Variable

- Description: Infinitely variable electronically controlled transmission.

	Forward	Reverse
Number of ranges	N/A	N/A
Number of gears	N/A	N/A
Total of arrangements	N/A	N/A

C

C

C

D - Available options: 50K, Infinitely Variable Transmission (specialty market)

1.3.3 Rear axle and final drives

D - Make / Model / Type: John Deere / AR231827 / Spiral bevel with pinion differential and inboard planetary reduction

- Differential lock

D . Type: Electo-hydraulic, wet multi-plate

C . Method of engagement: Foot operated switch

C . Method of disengagement: Self-disengaging with brake pedal operation

1.3.4 Front axle and final drives

D - Make / Model / Type: John Deere / AR231264 / Spiral bevel and pinion, differential and outboard planetary reduction

- Differential lock

D . Type: Limited slip

C . Method of engagement: Self-engaging

C . Method of disengagement: Self-disengaging

	1.3.5	Total ratios and traveling speeds	Not Applicable

	Travel Speed km/hr
Forward	0-40
Reverse	0-40

(*) Calculated with a tyre dynamic radius index of 905 mm (pneumatic tyred tractors only)

C	- Number of revolutions of front wheels for one revolution of rear-wheels (For 4WD tractors only):	MFWD – 1.322
	1.4 Power take-off (PTO)	
	1.4.1 Main power take-off	
C	- Type (independent, semi-independent or not independent):	Independent
C	- Method of engagement (if necessary describe the type of clutch):	Electro-hydraulically actuated multi-plate wet clutch operated by single hand switch
C	- Number of shafts:	One
C	- Method of changing power take-off shaft ends and speeds:	Reversible shaft: two (540/1000) or three speed lever option (540/1000/540E)
	1.4.1.1 Power take-off proportional to engine speed	
	Power take-off at 540 min^{-1} (rev / min)	
C	- Location:	Rear of tractor; center plane
C	- Diameter of power take-off shaft end (mm):	35
C	- Number of splines: (Conformity to ISO 500:1991)	6; conforms to ISO 500 / 1991
C	- Height above ground (mm):	730
C	- Distance from the median plane of the tractor (mm):	0
C	- Distance behind rear-wheel axis (mm):	687
C	- PTO speed at rated engine speed (min^{-1} (rev/min)):	582
C	- Engine speed at standard power take-off speed (min^{-1} (rev/min)):	1950
C	- Ratio of rotation speeds (engine speed / p.t.o. speed):	3.611 : 1
D	- Power restriction (kW):	None
D	- Maximum torque transmissible (Nm):	None
C	- Direction of rotation: (viewed from behind tractor)	Clockwise

		Power take-off at 1000 min^{-1} (rev / min)	
C		- Location:	Rear of tractor, center plane
C		- Diameter of power take-off shaft end (mm):	35
C		- Number of splines: (Conformity to ISO 500:1991)	21; conforms to ISO 500 / 1991
C		- Height above ground (mm):	730
C		- Distance from the median plane of the tractor (mm):	0
C		- Distance behind rear-wheel axis (mm):	687
C		- PTO speed at rated engine speed (min^{-1} (rev/min)):	1077
C		- Engine speed at standard power take-off speed (min^{-1} (rev/min)):	1950
C		- Ratio of rotation speeds (engine speed / p.t.o. speed):	1.950 : 1
D		- Power restriction (kW):	None
D		- Maximum torque transmissible (Nm):	Maximum engine torque
C		- Direction of rotation: (viewed from behind tractor)	Clockwise
	1.4.1.2	Power take-off proportional to ground speed	
C		- Indicate 540 or 1000 min^{-1} (rev / min):	N/A
C		- Traveling distance for one revolution of take-off shaft (m):	
C		- Number of power take-off shaft revolutions for one revolution of (rear) driving wheels:	
C		- Direction of rotation with forward gear engaged (viewed from behind tractor):	
	1.4.2	Optional power take-off	
C		- Give the same description as for the main PTO:	Not Available

	1.5	Hydraulic power lift	
C		- Make / Model / Type:	John Deere / N/A / Electro-hydraulic lower link sensing; variable mix of draft and position control; adjustable rate of drop
C		- Type of hydraulic system:	Closed center; pressure and flow compensated
C		- Type and number of cylinders (single or double acting):	Two external, single acting (90mm or 100 mm)
C		- Type of linkage lock for transport:	Electro-hydraulic
D		- Relief valve pressure setting (tolerance) (MPa):	20.3 +/- 0.3
D		- Opening pressure of cylinder safety valve (if fitted) (MPa):	23.2
D		- Lift pump type:	Closed center, load sensing pressure-flow compensated axial piston pump with full flow charge pump
D		- Transmission between pump and engine:	Gear driven; transmission front housing
C		- Type and number of filters:	Synthetic spin on filter; one
C		- Site of oil reservoir:	Differential case housing
C		- Type, number, and location of tapping points:	ISO standard breakaway couplers / 3 standard with 4th optional and power beyond optional; rear of tractor, 5th and 6th optional mid-mount valves
D		- Maximum volume of oil available to external cylinders (dm^3):	50

1.6 Three point linkage

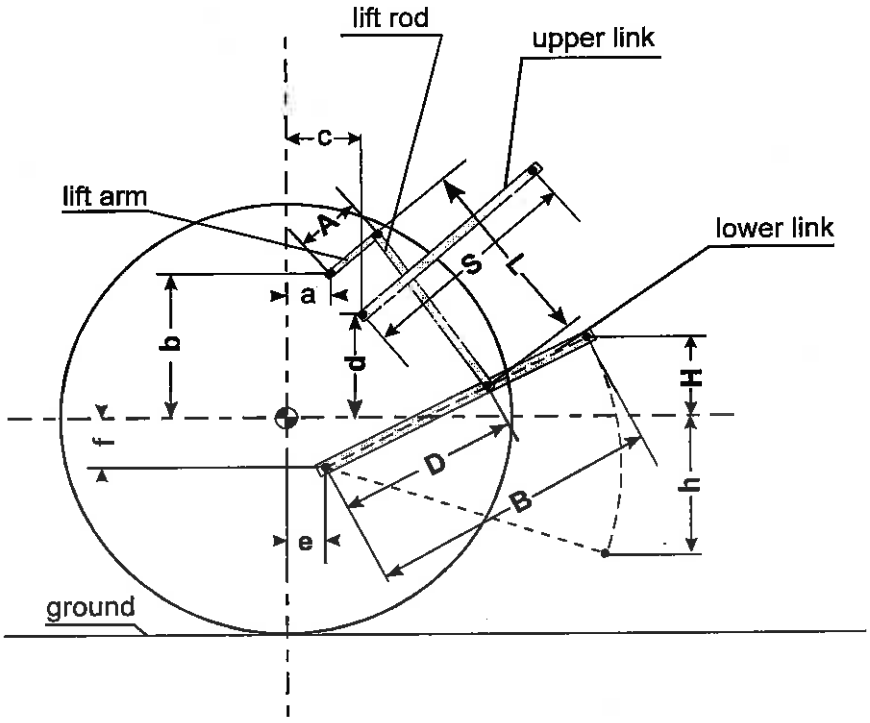


Figure 2.1
Lift Test – Linkage geometry

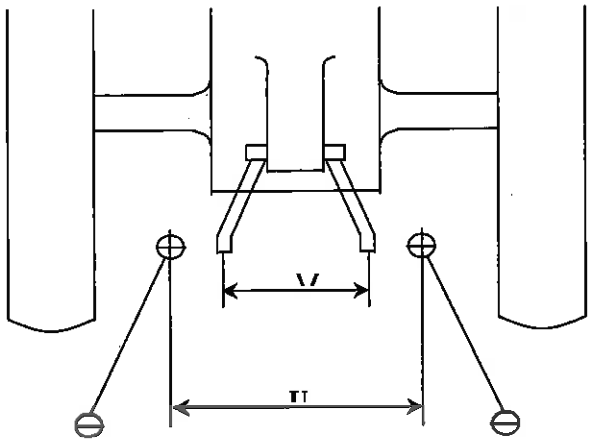


Figure 2.2
Lift Test – Linkage geometry

C	- Category:	3
	• *Conformity with categories 1, 2, 3, 4, 3N, or 4N of ISO 730-1:1994 + Cor.1:1995 and ISO 730-2:1979*	Specific Market Version
C	- Category adapter:	None

			Dimension or range	Settings used in test(s)
			mm	mm
C	Length of arms:	(A)	425	Same
C	Length of lower links:	(B)	1120	Same
	Distance of lift arm pivot point from rear wheel axis			
C	- horizontally:	(a)	230	Same
C	- vertically:	(b)	608	Same
C	Horizontal distance between the 2 lower link points:	(u)	529	Same
C	Horizontal distance between the 2 lift arm end points:	(v)	680	Same
C	Length of upper arm link:	(S)	710 to 860	752
	Distance of upper link pivot point from rear wheel axis			
C	- horizontally:	(c)	532/527/530	530
C	- vertically:	(d)	201/283/353	353
	Distance of lower link pivot point from rear wheel axis			
C	- horizontally:	(e)	180	Same
C	- vertically:	(f)	324	Same
C	Distance of lower link pivot points to lift rod pivot points on lower links:	(D)	688	Same
C	Length of lift rods:	(L)	910 to 1050	975
	Height of lower hitch points relative to the rear wheel axis			
C	- in low position:	(h)	539 to 788	675
C	- in high position:	(H)	24 to 236	120
C	Height above ground of lower hitch points when locked in transport position (*):		929 to 1141	1025
	(*) Assuming r = 905 Tyre dynamic radius index (pneumatic tyred tractors only)			

Table 1.1

Dimensions of linkage geometry when connected to the standard frame

C	- Category:	3
	• *Conformity with categories 1, 2, 3, 4, 3N, or 4N of ISO 730-1:1994 + Cor.1:1995 and ISO 730-2:1979*	North AmericanVersion Standard lift
C	- Category adapter:	3QC

			Dimension or range	Settings used in test(s)
			mm	mm
C	Length of arms:	(A)	425	Same
C	Length of lower links Quick Coupler offset:	(B)	1024+88	Same
	Distance of lift arm pivot point from rear wheel axis			
C	- horizontally:	(a)	230	Same
C	- vertically:	(b)	608	Same
C	Horizontal distance between the 2 lower link points:	(u)	529	Same
C	Horizontal distance between the 2 lift arm end points:	(v)	680	Same
C	Length of upper arm link:	(S)	625 to 770	700
	Distance of upper link pivot point from rear wheel axis			
C	- horizontally:	(c)	523/570	523
C	- vertically:	(d)	190/120	190
	Distance of lower link pivot point from rear wheel axis			
C	- horizontally:	(e)	180	Same
C	- vertically:	(f)	324	Same
C	Distance of lower link pivot points to lift rod pivot points on lower links:	(D)	617	Same
C	Length of lift rods:	(L)	910 to 1050	975
	Height of lower hitch points relative to the rear wheel axis			
C	- in low position:	(h)	559 to 809	640
C	- in high position:	(H)	15 to 252	154
C	Height above ground of lower hitch points when locked in transport position (*):		920 to 1157	1028
	(*) Assuming r = 870 Tyre dynamic radius index (pneumatic tyred tractors only)			

Table 1.1

Dimensions of linkage geometry when connected to the standard frame

C	- Category:	3
	• *Conformity with categories 1, 2, 3, 4, 3N, or 4N of ISO 730-1:1994 + Cor.1:1995 and ISO 730-2:1979*	North American Version Optional High Lift
C	- Category adapter:	3QC

			Dimension or range	Settings used in test(s)
			mm	mm
C	Length of arms:	(A)	425	Same
C	Length of lower links Quick Coupler offset:	(B)	1024+88	Same
	Distance of lift arm pivot point from rear wheel axis			
C	- horizontally:	(a)	230	Same
C	- vertically:	(b)	608	Same
C	Horizontal distance between the 2 lower link points:	(u)	529	Same
C	Horizontal distance between the 2 lift arm end points:	(v)	680	Same
C	Length of upper arm link:	(S)	660 to 825	670
	Distance of upper link pivot point from rear wheel axis			
C	- horizontally:	(c)	523/520	523
C	- vertically:	(d)	190/120	190
	Distance of lower link pivot point from rear wheel axis			
C	- horizontally:	(e)	180	Same
C	- vertically:	(f)	315	Same
C	Distance of lower link pivot points to lift rod pivot points on lower links:	(D)	688.5	Same
C	Length of lift rods:	(L)	910 to 1050	990
	Height of lower hitch points relative to the rear wheel axis			
C	- in low position:	(h)	523 to 748	675
C	- in high position:	(H)	7 to 218	75
C	Height above ground of lower hitch points when locked in transport position (*):		912 to 1123	980
	(*) Assuming r = 870 Tyre dynamic radius index (pneumatic tyred tractors only)			

Table 1.1

Dimensions of linkage geometry when connected to the standard frame

	1.7	Swinging drawbar	
C		- Type:	Oscillating
		- Height above ground	
C		. Minimum (mm):	437; offset down
C		. Maximum (mm):	501: offset up
C		- Type of adjustment:	Offset drawbar
		- Distance of hitch point from rear wheel axis	
C		. Horizontally (mm):	936, 1036, 1086
		- Distance of hitch point from power take-off shaft end	
C		. Horizontally (mm):	249, 349, 399
C		. Vertically (mm):	289.4
C		- Lateral adjustment (center of clevis)	
C		. Left hand (mm):	200
C		. Right hand (mm):	200
		- Distance of pivot point from rear wheel axis	
C		. Horizontally (mm):	14
C		- Diameter of drawbar pinhole (mm):	33
D		- Maximum vertical permissible load (kN):	18.0 – PTO Position 27.0 – Short Position
	1.8	**Trailer hitch**	
C		- Type:	N/A
C		- Hole diameter (mm):	N/A
C		- Height above ground (mm):	N/A
		- Distance of hitch point from rear wheel axis	
C		. Horizontally (mm):	N/A
		- Distance of hitch point from take-off shaft end	
C		. Horizontally (mm):	N/A
C		. Vertically (mm):	N/A
D		- Maximum vertical permissible load (kN):	N/A
	1.9	Holed drawbar	
C		- Number of holes:	N/A
C		- Distance between holes (mm):	N/A
C		- Hole diameter (mm):	N/A
C		- Thickness / width of the drawbar (mm /mm):	N/A
		- Height above ground	
C		. Minimum (mm):	N/A
C		. Maximum (mm):	N/A
C		- Horizontal distance to power take-off shaft end (rear) (mm):	N/A

	1.10	**Steering**	
D		- Make / Model / Type:	Sauer / RE208148 / Hydrostatic gerotor metering unit with load sensing
		- Method of operation	
D		. Pump(s):	Same as main hydraulic pump
D		. Rams(s):	Integrated symmetrical design
D		- Working pressure (MPa):	18.5
	1.11	**Brakes**	
	1.11.1	Service brake	
D		- Make / Model / Type:	Eaton / RE231213 / John Deere Oil immersed
C		- Method of operation:	Hydraulic, operated by two pedals which can be locked together
C		- Trailer braking take-off (hydraulic or air brakes):	Optional air or hydraulic (not installed)
	1.11.2	Parking brake	
C		- Type:	Transmission lock
C		- Method of operation:	Gear selector lever
	1.12	**Wheels**	
		- Number	
C		. Front (driving / steering):	Two; driving and steering
C		. Rear (driving / steering):	Two; Driving
C		- Wheelbase (mm):	MFWD – 2860
		- Track width adjustment:	

	Minimum mm	Maximum mm	Adjustment method
D Front	1524	2235	Reversing wheels and offset lug rims
D Rear	1524	2778	Rack and pinion axle; reversing wheels and offset lug rims

	1.13	**Protective structure**	
C		- Make / Model / Type:	John Deere/CG001/Cab
C		- Manufacturer's name and address:	John Deere Waterloo Works Waterloo, Iowa, USA
		- Protective device	
C		. Cab / frame / rollguard / other:	Cab
C		. Tiltable / not tiltable:	Not tiltable
		- OECD approval	
C		. approval number:	4/1 015
C		. Date of approval:	13 July 2007
C		. Nos. of minor modification certificates, if any:	None

	1.14	**Seat(s)**	
	1.14.1	Driver's seat	
C		- Make / Model / Type	John Deere/ Sears Manufacturing / John Deere Active Seat
C		- Seat and steering wheel reversible: Yes / No	No
C		- Type of suspension:	Air/Hydraulic
C		- Type of damping:	Active position control
		- Range of adjustment	
C		. Longitudinally (mm):	178
C		. Vertically (mm):	172; (87 mm adjustment range)
C		- Safety belt:	Yes
		. Type:	2 point, fully retractable
	1.14.2.	Optional driver's seat(s)	
	1.14.2.1	Option 1	
D		- Make / Model / Type	John Deere/ Sears Manufacturing/ Comfort Command / air cushion suspension
D		- Type of suspension:	Air Ride
D		- Type of damping:	Adjustable viscous damping
		- Range of adjustment	
D		. Longitudinally (mm):	178
D		. Vertically (mm):	172
	1.14.2.2	Option 2	
D		- Make / Model / Type	John Deere / Sears Manufacturing / John Deere Personal Posture™
D		- Type of suspension:	Air Ride
D		- Type of damping:	Adjustable, viscous damping
		- Range of adjustment	
D		. Longitudinally (mm):	200
D		. Vertically (mm):	140
	1.14.3	Passenger seat	
C		- Location:	Optional Instruction seat located left of driver's seat
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			
Inner Pair	1570	180 x 120	170
Outer Pair	1570	155 x 126	330
Sidelights			
Midbody	2150	165 x 112	620
Rearlights			
Roof	2880	165 x 113	405
Fender	2115	165 x 113	843
Reflectors			
Front	3980	72 x 200	770
Rear	2965	72 x 200	770
Brake	1915	210 x 104	910
Extremity	2155	160 x 80	1792

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	5711	2807	3830	3072	3090
Unballasted	5394	2807	2807	3072	3090

** Assumes rear duals for ballasted width and rear singles for unballasted width.*

2.2 Ground clearance (unballasted tractor)

(mm): 451

- Clearance – limiting part: Hitch Sway Blocks

2.3 Tractor mass

- Mass (with cab):

	Ballasted		Unballasted	
	With Driver	Without Driver	With Driver	Without Driver
	kg	kg	kg	kg
Front	4277	4257	3012	2992
Rear	7378	7323	5357	5302
Total	11655	11580	8369	8294

Ballast Added	Number of Weights	Total Mass	Liquid
		kg	kg
Front (weight support)	1	54	-
Front (weights)	18	816	-
Rear (weights)	2	1315	-
Rear (weights)	4	303	-
Rear (duals)	2	798	-

2.4 Track specifications

Track materials:	NA
Track width and base (mm):	NA
Dynamic radius (rolling radius) (mm):	NA
Track support system:	NA
Treadbars	
. Number of treadbars per metre:	NA
. Height, width, and length (mm):	NA
Other specifications:	NA

2.5 Tyres and track specification

	Front	Rear
Tyres		
- dimensions:	Goodyear 420/90R30	Goodyear 480/80R46
- ply rating:	142 A8	151 A8
- type:	Radial	Radial
- maximum load (tyre manufacturer's) (kN):	25.9	41.6
- maximum load (tractor manufacturer's) (kN):	Same	Same
- inflation pressure (tyre manufacturer's) (kPa):	From 60 to 160	From 60 to 160
- dynamic radius index (mm):	720	905
Chosen track width (mm):	1524	1635

2.6 Fuel

- Type: No 2 Diesel
  - *in conformity / with national standards*
- Density at 15° C: 0.840 kg/l

2.7 Oil and lubricants

2.7.1 Capacity and change interval

	Capacity	Oil Change	Filter change
	Dm^3	h	h
Engine	26	250 (500 with John Deere PLUS-50 and John Deere filter)	Same
Gear Box	150	1500	Same
Front Axle	14.4	1500	N/A
Rear Axle	Common w/gearbox	1500	Common w/gearbox
Final Drive (front)	3.8	1500	N/A
Final Drive (rear)	Common w/gearbox	1500	Common w/gearbox
Hydraulic System (*)	Common w/gearbox	1500	Common w/gearbox
Other (steering, ___)	N/A	N/A	N/A
(*) 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:	John Deere; Torq-Gard Supreme SAE 5W30: PLUS-50 SAE 15W40 or 0W40	John Deere; Torq-Gard Supreme SAE 15W40
. Viscosity:	12.5 - 16.3 cSt @ 100 C	Same
. Classifications:	API CF-4; CH - 4; ACEA E2	Same
Transmission oils		
. Type:	John Deere HY-GARD; J20C SAE 10W-30	Same
. Viscosity:	58 cSt at 43 C	Same
. Classifications:	N/A	N/A
Hydraulic fluid		
. Type:	Same as transmission	Same
. Viscosity:		
. Classifications:		
Steering oil		
. Type:	Same as transmission	Same
. Viscosity:		
. Classifications:		

2.7.3 Grease

- Number of lubrication points: MFWD – 22 (as tested)
ILS – 32

3. COMPULSORY TESTS RESULTS

3.1 Main power take-off

- Date and location of tests: 29-Mar-07 Nebraska Tractor Test Laboratory, Lincoln, NE, USA
- Type of dynamometer bench: Eaton

	Speed			Fuel consumption			Specific energy
Power	Engine	PTO	Fan	Hourly		Specific	
kW	rev/min			kg/h	l/h	g/kWh	kW-h/l
3.1 MAXIMUM POWER - ONE HOUR TEST							
150.72	1900	973	1505	36.59	43.55	243	3.46
3.1.2 POWER AT RATED ENGINE SPEED							
136.42	2100	1075	1439	34.15	40.65	250	3.36
3.1.3 STANDARD POWER TAKE-OFF SPEED (1000 +/- 25 rev/min							
148.19	1953	1000	1494	36.18	43.07	244	3.44
3.1.4 PART LOADS							
3.1.4.1 the torque corresponding to maximum power at rated engine speed							
136.42	2100	1075	1439	34.15	40.65	250	3.36
3.1.4.2 85% of torque obtained in 3.1.4.1							
119.17	2157	1104	1349	31.39	37.36	263	3.19
3.1.4.3 75% of torque defined in 3.1.4.2							
89.95	2165	1109	1166	25.85	30.78	287	2.92
3.1.4.4 50% of torque defined in 3.1.4.2							
59.98	2176	1114	1020	20.05	23.86	334	2.51
3.1.4.5 25% of torque defined in 3.1.4.2							
30.32	2188	1121	1025	13.70	16.31	452	1.86
3.1.4.6 unloaded							
0.92	2196	1124	1036	9.39	11.18	10232	0.08
3.1.5 PART LOADS AT STANDARD POWER TAKE-OFF SPEED (1000 +/- 25 rev/min)							
3.1.5.1 the torque corresponding to maximum power at standard PTO speed							
148.19	1953	1000	1494	36.18	43.07	244	3.44
3.1.5.2 85% of torque obtained in 3.1.5.1							
132.43	2052	1051	1494	33.11	39.41	250	3.36
3.1.5.3 75% of torque defined in 3.1.5.2							
99.16	2052	1051	1416	26.85	31.96	271	3.10
3.1.5.4 50% of torque defined in 3.1.5.2							
65.99	2052	1051	1191	20.18	24.03	306	2.75
3.1.5.5 25% of torque defined in 3.1.5.2							
33.13	2052	1051	1030	13.43	15.98	405	2.07
3.1.5.6 unloaded							
0.82	2052	1051	1033	8.12	9.66	9893	0.08

- No load maximum engine speed: 2196 rev/min
- Torque (equivalent crankshaft) at rated speed:
  - At rated engine speed 620 Nm
  - At maximum power 758 Nm
- Maximum torque (equivalent crankshaft): 874 Nm
  (engine speed: 1602 rev/min)

Mean atmospheric conditions:		
Dry bulb	24	°C
Pressure	97.7	kPa
Relative Humidity	65	%
Maximum temperatures:		
Coolant	102	°C
Engine oil	122	°C
Fuel	69	°C
Engine air intake	29	°C

3. COMPULSORY TESTS RESULTS

3.1 Main power take-off

- Date and location of tests: 29-Mar-07 Nebraska Tractor Test Laboratory, Lincoln, NE, USA
- Type of dynamometer bench: Eaton

Power	Speed			Fuel consumption			Specific energy
				Hourly		Specific	
kW	Engine	PTO	Fan	kg/h	l/h	g/kWh	kW-h/l
3.1.6 PART LOADS AT DIFFERENT ENGINE SPEEDS							
3.1.6.1 maximum power at rated engine speed							
136.42	2100	1075	1439	34.15	40.65	250	3.36
3.1.6.2 80% of power obtained in 3.1.6.1 at max speed setting							
108.94	2160	1106	1424	29.80	35.47	274	3.07
3.1.6.3 80% of power obtained in 3.1.6.1 with governor control set to 90% of rated engine speed							
108.96	1892	969	1351	27.31	32.50	251	3.35
3.1.6.4 40% of power obtained in 3.1.6.1 with governor control set to 90% of rated engine speed							
54.52	1892	969	1133	16.87	20.09	310	2.71
3.1.6.5 60% of power obtained in 3.1.6.1 with governor control set to 60% of rated engine speed							
81.98	1261	645	1023	19.55	23.27	238	3.52
3.1.6.6 40% of power obtained in 3.1.6.1 with governor control set to 60% of rated engine speed							
54.37	1261	645	1035	13.97	16.63	257	3.27

3.2 HYDRAULIC POWER AND LIFTING FORCE

3.2.1 Hydraulic Power Test

Date of Test: 30-Mar-07 Location of Test-City-State: Tractor Test Lab, Lincoln, NE, USA

Tractor Model: John Deere 7930 IV Tapping point used for test: Remote hydraulic outlets

3.2.1.1 Hydraulic Fluid Characteristics

Viscosity at 65°C = 25 mm²/s

3.2.1.2 Compulsory Report (Test Results):

	Pressure	Reservoir oil Temperature	Engine Speed	Flow Rate	Power
	MPa	°C	rev/min	l/min	kW
Rated Engine Speed: (Manufactures Specification)			2100		
Maximum (sustained) pressure with relief valve open as measured at the coupler Pump stalled: Yes	19.88	86	2193		
Flow rate corresponding to a hydraulic pressure equivalent to 90 percent of the actual relief valve pressure setting and corresponding hydraulic power through two coupler pairs:	17.88	89	2171	162.0	48.3
Maximum available flow from one coupler pair:	6.99	89	2110	159.4	18.6
Maximum available power from one coupler pair:	13.23	99	2167	144.2	31.8
Maximum available flow from coupler pairs operating simultaneously (flow through two or more coupler pairs if required):	2.84	66	2186	178.3	8.5
Maximum power from coupler pairs operating simultaneously (flow through two or more coupler pairs if required):	17.52	88	2170	168.1	49.1

3.2 POWER LIFT TEST

Category III, S.M. lower links with lifting cylinders (2) x 90 mm dia.

Date of test: 17 Feb 2004. Data from tests conducted on the John Deere 7820 which is technically equivalent.

	Hitch points	Frame
Lower hitch points above ground - down position:	230 mm	246 mm
Vertical movement - without load:	795 mm	836 mm
with load:	748 mm	781 mm
Maximum corrected force exerted through full range:	55.2 kN	60.6 kN
Corresponding pressure:	18.5 MPa	18.5 MPa
Moment about rear axle:	71.8 kNm	115.8 kNm
Maximum mast tilt angle	--	4.6 degrees

Lifting height relative to horizontal position of lower links.

mm	-347	-331	-297	-200	-97	3	100	200	301	401	450
Corrected lift forces											
At the Hitch point kN	55.2	--	58.2	62.8	66.4	69.1	71.3	72.7	74.2	76.1	--
at the frame kN	--	61.9	62.9	64.7	65.6	65.9	65.7	64.6	62.9	61.4	60.6
Corresponding pressure 18.5 Mpa											

OECD Drawbar Data (SI)

Date of tests:	4/10,12/2007					**Fuel density:**	0.840 kg/l								
Type of track:	Concrete					**Test number:**	1897								
3.3.1 Maximum power in tested gears (unballasted, FWA)							**Tire pressure:**	117 kPa, rear	97 kPa, front	**Drawbar Height:**	521 mm				
Gear	**Gear Designation**	**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**
*4.5k	4.5k	84.87	75.95	4.02	2156	11.2	1042	353	2.38	63	88	107	7	57	96.6
6.2k	6.2k	111.70	72.42	5.55	2101	8.6	1051	300	2.80	64	89	108	7	59	96.5
7k	7k	117.52	65.19	6.49	2100	5.4	1033	284	2.96	65	90	111	6	49	97.7
8k	8k	118.64	56.81	7.52	2103	4.2	1037	280	3.00	65	92	111	6	56	97.8
9k	9k	119.22	50.34	8.53	2100	3.4	1051	279	3.01	65	92	114	7	50	97.8
10k	10k	117.93	44.50	9.54	2102	2.8	1045	282	2.98	65	92	114	4	67	97.7
11k	11k	117.28	40.19	10.50	2098	2.5	1074	284	2.96	65	92	115	4	67	97.7
12k	12k	115.71	36.16	11.52	2101	2.2	1103	288	2.92	65	92	116	5	61	97.7
13k	13k	115.80	33.33	12.51	2103	1.9	1084	293	2.87	64	92	110	9	55	97.8
14k	14k	112.44	30.04	13.47	2098	1.7	1199	302	2.79	65	92	115	9	55	97.8
* Note: Slip limited to avoid excessive bouncing.															
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														
8k	8k	118.64	56.81	7.52	2103	4.2	1037	280	3.00	65	92	111	6	56	97.8
3.3.2.1.1	75% of pull corresponding to maximum power at rated engine speed														
8k	8k	92.97	42.75	7.83	2157	2.8	1030	307	2.73	65	92	113	7	52	97.8
3.3.2.1.2	50% of pull corresponding to maximum power at rated engine speed														
8k	8k	62.96	28.49	7.95	2167	1.7	1028	346	2.43	63	83	106	7	52	97.8
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														
*8k	8k	93.04	42.87	7.81	1683	2.7	1052	275	3.05	57	81	98	8	53	97.8
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														
*8k	8k	62.88	28.70	7.89	1399	1.7	999	282	2.98	56	78	98	7	52	97.8
3.3.2.2	In selected gear/speed setting nearest between 7 km/hr and 10 km/hr at rated engine speed														
11k	11k	117.28	40.19	10.50	2098	2.5	1074	284	2.96	65	92	115	4	67	97.7
3.3.2.2.1	75% of pull corresponding to maximum power at rated engine speed														
11k	11k	90.94	30.10	10.88	2157	1.8	1041	312	2.69	61	88	105	8	53	97.8
3.3.2.2.2	50% of pull corresponding to maximum power at rated engine speed														
11k	11k	61.31	20.08	10.99	2165	1.1	1027	361	2.33	63	85	107	8	53	97.8
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														
*11k	11k	90.97	30.20	10.84	1705	1.7	1041	293	2.87	58	83	100	8	54	97.8
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														
*11k	11k	61.34	20.21	10.93	1416	1.1	1001	318	2.64	58	78	101	8	48	97.8

*Autopowr(IVT) selector placed in position 3

OECD Drawbar Data (SI)

Date of tests:		**10,12-Apr-2007**					**Fuel density:**	**0.840 kg/l**							
Type of track:		**Concrete**					**Test number:**	**1897**							
4.1 Maximum power in tested gears (unballasted, FWA, Auto)								**Tire pressure:**	**117 kPa, rear**		**97 kPa, front**		**Drawbar Height:**	**521 mm**	
Gear	**Gear Designation**	**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**
***4.5k**	**4.5k**	**83.21**	**75.31**	**3.98**	**1686**	**11.8**	**1066**	**310**	**2.71**	**59**	**80**	**99**	**7**	**57**	**96.5**
6.2k	**6.2k**	**113.29**	**72.69**	**5.61**	**1991**	**9.7**	**1082**	**296**	**2.84**	**64**	**88**	**110**	**7**	**59**	**96.4**
7k	**7k**	**117.97**	**65.02**	**6.53**	**1942**	**5.5**	**1057**	**280**	**3.01**	**63**	**87**	**109**	**6**	**56**	**97.7**
8k	**8k**	**119.24**	**57.32**	**7.49**	**1968**	**4.2**	**1057**	**277**	**3.03**	**64**	**90**	**112**	**6**	**56**	**97.8**
9k	**9k**	**119.34**	**50.36**	**8.53**	**1965**	**3.4**	**1052**	**276**	**3.05**	**65**	**92**	**113**	**7**	**50**	**97.8**
10k	**10k**	**118.62**	**44.77**	**9.54**	**1974**	**2.8**	**1044**	**279**	**3.01**	**65**	**93**	**114**	**4**	**67**	**97.7**
11k	**11k**	**118.26**	**40.38**	**10.54**	**1981**	**2.5**	**1073**	**277**	**3.03**	**65**	**94**	**115**	**5**	**61**	**97.7**
12k	**12k**	**116.24**	**36.13**	**11.58**	**1877**	**2.2**	**1019**	**284**	**2.96**	**66**	**95**	**116**	**5**	**61**	**97.7**
13k	**13k**	**115.82**	**33.14**	**12.58**	**1966**	**1.9**	**1091**	**291**	**2.88**	**66**	**94**	**115**	**9**	**55**	**97.8**
14k	**14k**	**112.50**	**29.71**	**13.63**	**1985**	**1.7**	**1274**	**318**	**2.64**	**65**	**94**	**116**	**9**	**51**	**97.8**

*** Note: Slip limited to avoid excessive bouncing**

OECD Drawbar Data (SI)

Date of tests:	10,12 -Apr-07						Fuel density:	0.840 kg/l						
Type of track:	Concrete						Test number:	1897						
4.2 Maximum power in tested gears (unballasted, FWA, 1900 rpm)								Tire pressure: 117 kPa, rear 97 kPa, front				Drawbar Height: 521 mm		
Gear	Gear Designation	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
*4.5k	4.5k	84.84	76.05	4.02	2156	11.3	1043	349	2.40	63	87	107	7	57	96.6
6.2k	6.2k	111.31	72.57	5.52	2098	9.1	1049	300	2.80	65	92	112	7	59	96.5
7k	7k	119.58	68.60	6.28	2062	6.8	1045	284	2.96	64	92	113	6	56	97.8
8k	8k	127.17	65.34	7.01	1997	6.0	1115	281	2.99	66	93	114	7	50	97.8
9k	9k	131.90	62.61	7.58	1906	5.3	1102	276	3.05	65	95	116	7	57	97.8
10k	10k	131.88	55.59	8.54	1903	3.9	1073	276	3.05	65	95	116	4	67	97.7
11k	11k	132.14	50.43	9.43	1900	3.3	1084	274	3.06	65	95	116	5	61	97.7
12k	12k	131.86	45.87	10.35	1902	2.9	1125	275	3.06	65	95	117	5	61	97.7
13k	13k	131.08	41.93	11.25	1905	2.6	1174	278	3.03	66	95	117	9	55	97.8
14k	14k	130.24	38.48	12.18	1908	2.3	1194	279	3.02	65	95	116	9	57	97.8
15k	15k	117.83	32.38	13.10	1901	1.8	1234	312	2.70	66	95	117	10	52	97.8
*Note: Slip limited to avoid excessive bouncing															

OECD Drawbar Data (SI)

Date of tests:	9-Apr-2007					**Fuel density:**	0.840 kg/l							
Type of track:	Concrete					**Test number:**	1897							
4.3 Maximum power in tested gears (ballasted, FWA)							**Tire pressure:**	76 kPa, rear	138 kPa, front			**Drawbar Height:**	533 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
*3.6	93.50	106.41	3.16	2104	10.2	1044	354	2.37	64	89	109	5	53	97.7
5	116.58	98.22	4.27	1962	6.4	1129	307	2.74	65	94	114	5	53	97.7
6	126.19	89.74	5.06	1900	4.5	1110	289	2.91	66	95	115	5	53	97.7
7	132.79	80.01	5.97	1901	3.4	1077	273	3.07	66	95	115	6	54	97.7
8	133.72	70.07	6.87	1899	2.8	1074	271	3.10	65	95	116	6	54	97.7
9	134.03	61.84	7.80	1907	2.3	1084	271	3.10	65	95	116	6	54	97.7
10	133.97	55.71	8.66	1899	2.0	1054	272	3.09	64	94	111	6	54	97.7
11	132.84	50.09	9.55	1899	1.7	1139	273	3.08	65	95	116	6	56	97.7
12	131.92	45.50	10.44	1901	1.6	1166	275	3.06	66	94	117	6	56	97.6
13	130.24	41.40	11.33	1900	1.4	1162	281	2.99	64	95	114	7	57	97.6
14	128.02	37.69	12.23	1902	1.2	1193	288	2.92	65	95	117	7	57	97.6
15	114.88	31.39	13.17	1901	1.0	1217	319	2.63	65	95	117	7	64	97.6

* Note: Slip limited to avoid excessive tractor bouncing.

4.4 POWER LIFT TEST

Category III, S.M. lower links with lifting cylinders (2) x 100 mm dia.

Date of test: 17 Feb 2004. Data from tests conducted on the John Deere 7820 which is technically equivalent.

	Hitch points	Frame
Lower hitch points above ground - down position:	230 mm	236 mm
Vertical movement - without load:	795 mm	847 mm
with load:	748 mm	781 mm
Maximum corrected force exerted through full range:	69.6 kN	75.1 kN
Corresponding pressure:	18.5 MPa	18.5 MPa
Moment about rear axle:	90.5 kNm	143.3 kNm
Maximum mast tilt angle	--	3.7 degrees

Lifting height relative to horizontal position of lower links.

mm	-347	-341	-298	-199	-99	3	101	202	302	401	440
Corrected lift forces											
At the Hitch point kN	69.6	--	72.9	78.5	82.5	86.0	88.5	90.8	92.6	94.6	--
at the frame kN	--	77.7	78.9	80.8	81.8	82.1	81.7	80.1	78.1	75.8	75.1
Corresponding pressure 18.5 Mpa											

4.5 POWER LIFT TEST

Category III, Quick attaching couple with lifting cylinders (2) x 90 mm dia.

Date of test: 17 Feb 2004. Data from tests conducted on the John Deere 7820 which is technically equivalent.

	Hitch points	Frame
Lower hitch points above ground - down position:	230 mm	216 mm
Vertical movement - without load:	824 mm	960 mm
with load:	762 mm	875 mm
Maximum corrected force exerted through full range:	53.1 kN	48.9 kN
Corresponding pressure:	18.4 MPa	18.4 MPa
Moment about rear axle:	68.7 kNm	93.0 kNm
Maximum mast tilt angle	--	9.3 degrees

Lifting height relative to horizontal position of lower links.

mm	-361	-347	-301	-199	-103	-2	98	199	298	415	514
Corrected lift forces											
At the Hitch point kN	--	53.1	55.5	59.8	62.6	65.0	66.8	67.9	68.6	69.7	--
at the frame kN	57.5	--	57.8	58.4	58.5	58.1	57.0	55.0	52.1	--	48.9

Corresponding pressure 18.4 Mpa

4.6 POWER LIFT TEST (for settings see p.11)
Category III, Quick attaching couple with lifting cylinders - (2) x 100 mm dia.
Date of test: 17 Feb 2004. Data from tests conducted on the John Deere 7820 which is technically equivalent.

	Hitch points	Frame
Lower hitch points above ground - down position:	229 mm	219 mm
Vertical movement - without load:	750 mm	853 mm
with load:	686 mm	767 mm
Maximum corrected force exerted through full range:	75.2 kN	69.3 kN
Corresponding pressure:	18.5 MPa	18.5 MPa
Moment about rear axle:	97.2 kNm	131.8 kNm
Maximum mast tilt angle	--	6.7 degrees

Lifting height relative to horizontal position of lower links.

mm	-358	-348	-302	-202	-102	-3	98	198	298	338	409
Corrected lift forces											
At the Hitch point kN	--	75.2	78.6	84.4	88.0	91.1	93.1	94.1	95.0	95.1	--
at the frame kN	80.4	--	81.0	81.9	81.4	80.2	78.2	74.7	--	71.3	69.3
Corresponding pressure 18.5 Mpa											

4.7 Measurement of External Noise Level – John Deere 7930 IVT

-- Date of Test	April 2, 2007
-- Location of Test	Nebraska Tractor Test Laboratory
-- Sound Level Meter	Bruel and Kjaer 2236
-- Type of Track	Concrete Oval
-- Gear Number	NA
-- Speed Prior to Acceleration	32.0 km/h
-- Noise Level	82.0 dB(A)

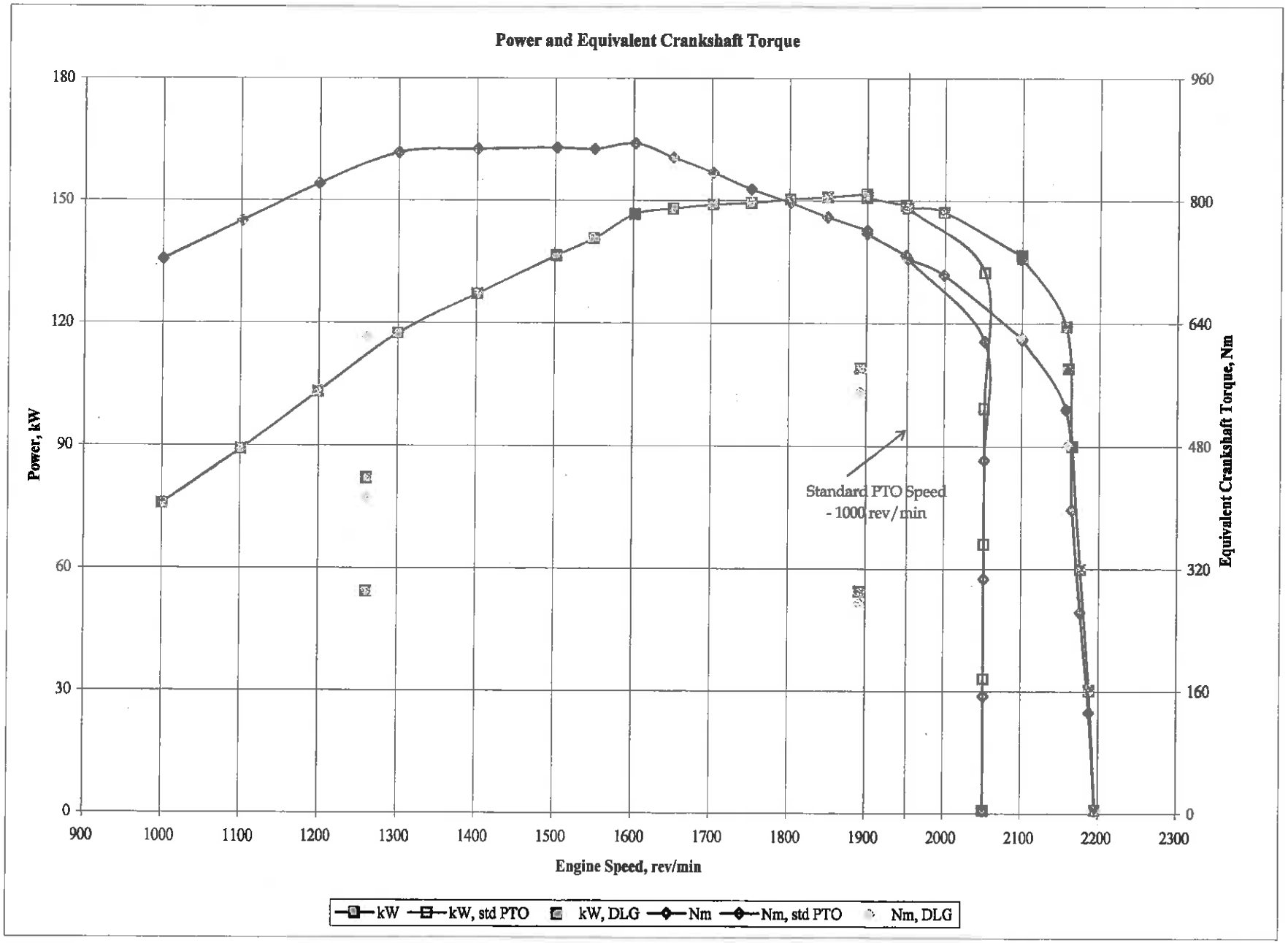
4.8 Measurement of Noise Level at Operator's Ear*

-- Date of Test	April 2, 2007
-- Location of Test	Nebraska Tractor Test Laboratory
-- Sound Level Meter	Bruel and Kjaer 2236
-- Type of Track	Concrete Oval
-- Gear Number	7.6 km/h, 1200 engine rpm
-- Drawbar Load	None
-- Noise at Operator Ear	64.4 dB(A) - front wheel drive engaged 64.4 dB(A) - front wheel drive disengaged

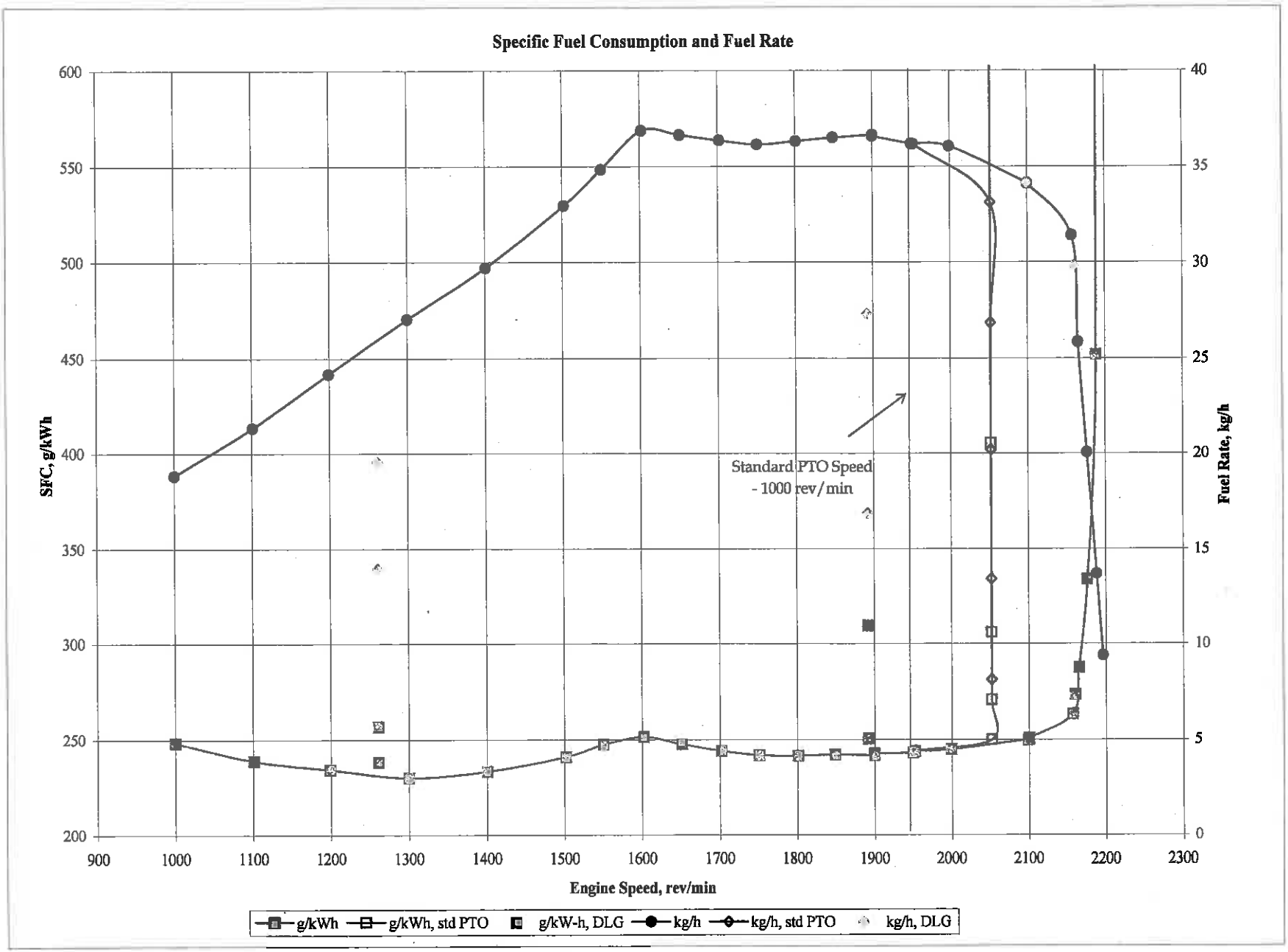
* Note: Nebraska tractor test station guidelines. Not covered by OECD approval

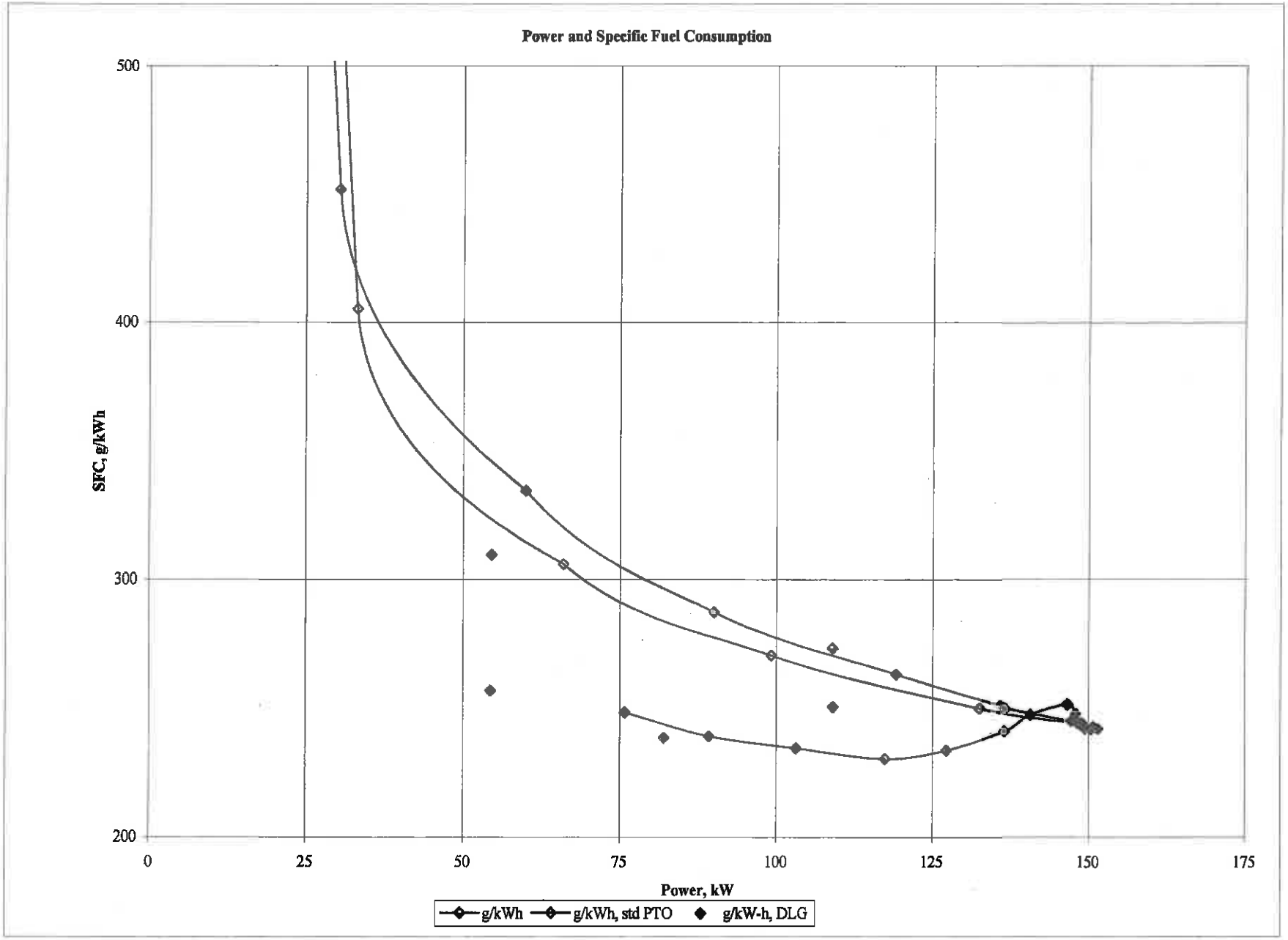
5. Repairs and Adjustments: None

6. Remarks: None


Power and Equivalent Crankshaft Torque
Power, kW
Equivalent Crankshaft Torque, Nm
Engine Speed, rev/min
180
150
120
90
60
30
0
960
800
640
480
320
160
0
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
Standard PTO Speed
- 1000 rev/min
kW
kW, std PTO
kW, DLG
Nm
Nm, std PTO
Nm, DLG

John Deere 7930 IVT




Power and Specific Fuel Consumption
SFC, g/kWh
500
400
300
200
0
25
50
75
100
125
150
175
Power, kW
g/kWh
g/kWh, std PTO
g/kW-h, DLG