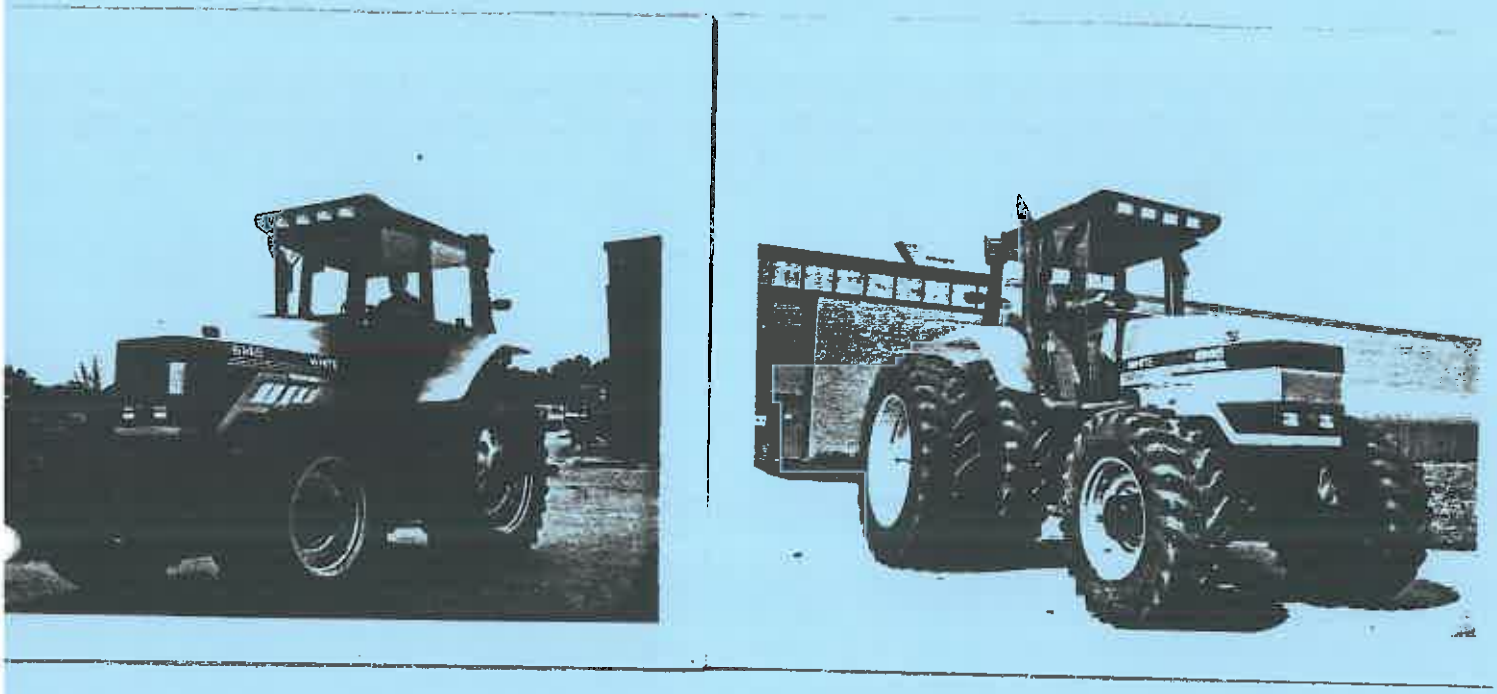
OECD APPROVAL # 1531
(Restricted code)
Date of approval: 7 October, 1994

NEBRASKA TRACTOR TESTING 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 RESTRICTED CODE (CODE II)

FOR THE OFFICIAL TESTING OF AGRICULTURAL TRACTORS



WHITE 6145 MFWD

MANUFACTURED BY: AGCO Corporation
Norcross, Georgia
USA

NEBRASKA TEST NO. 1677
Test dates: April 19 through May 10, 1994

Addendum Sheet for OECD Test # 1531
White 6145 MFWD (4WD)

Page 2:Fuel Density: 0.830 to 0.845 kg/l

Page 5:Standard PTO: 1000/540 in accordance with the ISO recommendations "ISO 500/1991"

Page 6:Power Lift (filter type): Synthetic media, screw-on canister/one

Page 15: Hydraulic Power Test: This hydraulic system does not use an accumulator. Opening and closing pressures of the unloading valve could not be measured.

OECD Drawbar Data (SI)

Date of tests:	3-May-94	Fuel density:	0.838 kg/l
Type of track:	Concrete	Test number:	1677

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel humidity	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet		kPa
I. Maximum Power (unballasted, 4wd at 2200 rev/min)						Tire pressure:		138 kPa, rear		152 kPa, front		Drawbar height:		521 mm
3 *	61.28	69.89	3.16	2283	14%	0.353	2.37	58	84	104	13	9	67%	98.24
4 *	71.30	71.74	3.58	2276	14%	0.339	2.47	57	84	104	13	9	67%	98.24
5	82.03	67.07	4.40	2261	10%	0.316	2.65	60	85	105	13	9	67%	98.24
6	89.84	62.79	5.15	2198	8%	0.300	2.79	62	85	106	14	11	68%	98.24
7	93.46	54.03	6.23	2201	5%	0.291	2.88	59	86	106	14	11	68%	98.24
8	92.57	44.65	7.46	2198	4%	0.292	2.87	61	86	108	14	11	74%	98.24
9	91.97	37.59	8.81	2200	3%	0.294	2.85	62	86	107	16	13	74%	98.24
10	93.29	32.69	10.28	2199	3%	0.290	2.89	61	86	107	16	13	74%	98.24
11	93.43	27.58	12.20	2199	2%	0.291	2.88	61	86	108	16	13	74%	98.24
12	91.22	22.89	14.34	2201	2%	0.297	2.82	60	86	106	16	13	74%	98.24
*Note: Slip within operation conditions of test station														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
7	93.46	54.03	6.23	2201	5%	0.291	2.88	59	86	106	14	11	68%	98.24
II.1.1 75% of pull at maximum power at rated speed														
7	73.96	40.50	6.57	2277	3%	0.304	2.75	58	86	105	16	13	74%	98.24
II.1.2 50% of pull at maximum power at rated speed														
7	50.90	27.03	6.78	2319	2%	0.353	2.38	58	83	104	17	14	75%	98.04
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
9	73.92	40.46	6.58	1648	3%	0.275	3.04	60	86	105	16	13	74%	98.24
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
9	50.84	27.07	6.76	1672	2%	0.301	2.79	57	84	102	17	14	75%	98.04
II.2 in selected gear nearest to 7.5 km/h at rated speed														
8	92.57	44.65	7.46	2198	4%	0.292	2.87	61	86	108	14	11	68%	98.24
II.2.1 75% of pull at maximum power at rated speed														
8	72.69	33.44	7.82	2277	3%	0.306	2.74	60	85	106	17	14	75%	98.04
II.2.2 50% of pull at maximum power at rated speed														
8	49.82	22.29	8.04	2319	2%	0.365	2.29	58	83	103	17	14	75%	98.04
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	72.60	33.39	7.83	1676	3%	0.276	3.04	60	86	104	17	14	75%	98.04
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	49.84	22.27	8.05	1709	2%	0.303	2.77	57	84	101	17	14	75%	98.04

OECD Drawbar Data (US)

Date of tests:	3-May-94	Fuel density:	6.994 lb/gal
Type of track:	Concrete	Test number:	1677

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel humidity	Baro. Pres
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		in Hg
I. Maximum Power (unballasted, 4wd at 2200 rev/min)						Tire pressure:		20 psig, rear		22 psig, front		Drawbar height:		20.5 in
3 *	82.18	15711	1.96	2283	14%	0.581	12.04	137	184	219	55	49	67%	29.01
4 *	95.62	16128	2.22	2276	14%	0.557	12.55	135	183	219	55	49	67%	29.01
5	110.00	15079	2.74	2261	10%	0.520	13.45	140	185	221	55	49	67%	29.01
6	120.48	14116	3.20	2198	8%	0.494	14.16	144	186	223	58	52	68%	29.01
7	125.33	12147	3.87	2201	5%	0.478	14.64	138	186	224	58	52	68%	29.01
8	124.13	10037	4.64	2198	4%	0.479	14.59	142	186	226	58	52	74%	29.01
9	123.34	8451	5.47	2200	3%	0.483	14.49	143	187	225	60	55	74%	29.01
10	125.11	7348	6.38	2199	3%	0.477	14.66	143	188	225	60	55	74%	29.01
11	125.30	6200	7.58	2199	2%	0.479	14.60	141	187	226	60	55	74%	29.01
12	122.33	5147	8.91	2201	2%	0.489	14.32	140	187	224	60	55	74%	29.01
*Note: Slip within operation conditions of test station														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
7	125.33	12147	3.87	2201	5%	0.478	14.64	138	186	224	58	52	68%	29.01
II.1.1 75% of pull at maximum power at rated speed														
7	99.18	9105	4.08	2277	3%	0.500	13.98	137	187	221	60	55	74%	29.01
II.1.2 50% of pull at maximum power at rated speed														
7	68.26	6076	4.21	2319	2%	0.580	12.06	137	182	219	63	58	75%	28.95
II.1.3higher gear at reduced engine speed, same pull and travel speed as II.1.1														
9	99.13	9095	4.09	1648	3%	0.453	15.45	139	186	221	60	55	74%	29.01
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
9	68.17	6086	4.20	1672	2%	0.495	14.14	135	184	215	63	58	75%	28.95
II.2 in selected gear nearest to 4.6 mph at rated speed														
8	124.13	10037	4.64	2198	4%	0.479	14.59	142	186	226	58	52	68%	29.01
II.2.1 75% of pull at maximum power at rated speed														
8	97.48	7519	4.86	2277	3%	0.503	13.90	139	185	222	63	58	75%	28.95
II.2.2 50% of pull at maximum power at rated speed														
8	66.80	5012	5.00	2319	2%	0.601	11.65	136	182	218	63	58	75%	28.95
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	97.36	7506	4.86	1676	3%	0.454	15.41	140	187	220	63	58	75%	28.95
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	66.83	5008	5.00	1709	2%	0.498	14.04	135	183	215	63	58	75%	28.95

OPTIONAL TEST - Ballasted, Front Drive Disengaged

OECD Drawbar Data (SI)

Date of test:		2-May-94		Fuel density:		0.838 kg/l								
Type of track:		Concrete		Test number:		1677								
Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel humidity	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet		kPa
I. Maximum Power (ballasted, 2wd at 2200 rev/min)						Tire pressure:		138 kPa, rear		152 kPa, front		Drawbar height:	559 mm	
4*	73.89	74.25	3.58	2274	14%	0.338	2.48	60	84	105	11	8	65%	98.37
5	87.43	73.47	4.28	2199	10%	0.311	2.70	61	85	106	12	8	60%	98.37
6	91.62	63.07	5.23	2197	7%	0.297	2.82	60	85	106	12	8	60%	98.37
7	93.92	54.01	6.26	2199	5%	0.289	2.90	60	86	107	12	9	66%	98.34
8	92.63	44.55	7.49	2200	4%	0.292	2.87	60	86	107	12	9	66%	98.34
9	92.11	37.64	8.81	2197	3%	0.296	2.83	43	86	107	12	9	66%	98.34
10	93.14	32.57	10.30	2200	3%	0.293	2.86	59	86	107	12	9	66%	98.34
11	93.36	27.53	12.21	2198	2%	0.292	2.87	59	86	107	12	9	66%	98.34
12	90.76	22.75	14.36	2201	2%	0.301	2.78	59	86	107	12	9	66%	98.34
* Note: Slip within operation conditions of test station														
II. Part loads (ballasted, 2wd)														
II.1 in selected gear at maximum power at rated speed														
7	93.92	54.01	6.26	2199	5%	0.289	2.90	60	86	107	12	9	66%	98.34
II.1.1 75% of pull at maximum power at rated speed														
7	73.94	40.37	6.59	2279	4%	0.307	2.73	57	86	106	12	9	71%	98.31
II.1.2 50% of pull at maximum power at rated speed														
7	50.79	26.92	6.79	2321	2%	0.354	2.37	56	83	104	12	9	71%	98.31
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
9	74.02	40.34	6.61	1651	3%	0.276	3.03	57	86	104	12	9	71%	98.31
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
9	50.92	26.87	6.82	1685	2%	0.301	2.78	55	85	102	12	9	71%	98.31
II.2 in selected gear nearest to 7.5 km/h at rated speed														
7	93.92	54.01	6.26	2199	5%	0.289	2.90	60	86	107	12	9	66%	98.34
II.2.1 75% of pull at maximum power at rated speed														
7	73.94	40.37	6.59	2279	4%	0.307	2.73	57	86	106	12	9	71%	98.31
II.2.2 50% of pull at maximum power at rated speed														
7	50.79	26.92	6.79	2321	2%	0.354	2.37	56	83	104	12	9	71%	98.31
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
9	74.02	40.34	6.61	1651	3%	0.276	3.03	57	86	104	12	9	71%	98.31
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
9	50.92	26.87	6.82	1685	2%	0.301	2.78	55	85	102	12	9	71%	98.31

OECD Drawbar Data (US)

Date of test:		2-May-94		Fuel density:		6.994 lb/gal								
Type of track:		Concrete		Test number:		1677								
Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel humidity	Baro. Pres
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		in Hg
I. Maximum Power (ballasted, 2wd at 2200 rev/min)						Tire pressure:		20 psig, rear		22 psig, front		Drawbar height:	22.0 in	
4*	99.08	16693	2.23	2274	14%	0.555	12.60	141	184	221	52	46	65%	29.05
5	117.25	16518	2.66	2199	10%	0.511	13.70	141	185	222	53	46	60%	29.05
6	122.86	14178	3.25	2197	7%	0.489	14.31	140	185	223	53	46	60%	29.05
7	125.95	12142	3.89	2199	5%	0.475	14.74	139	186	224	54	48	66%	29.04
8	124.22	10015	4.65	2200	4%	0.480	14.56	140	187	225	54	48	66%	29.04
9	123.52	8461	5.47	2197	3%	0.487	14.37	109	187	225	54	48	66%	29.04
10	124.90	7322	6.40	2200	3%	0.481	14.53	139	186	225	54	48	66%	29.04
11	125.20	6190	7.58	2198	2%	0.480	14.58	139	187	225	54	48	66%	29.04
12	121.71	5114	8.92	2201	2%	0.496	14.11	138	187	225	54	48	66%	29.04
* Note: Slip within operation conditions of test station														
II. Part loads (ballasted, 2wd)														
II.1 in selected gear at maximum power at rated speed														
7	125.95	12142	3.89	2199	5%	0.475	14.74	139	186	224	54	48	66%	29.04
II.1.1 75% of pull at maximum power at rated speed														
7	99.15	9076	4.10	2279	4%	0.504	13.88	135	187	223	53	48	71%	29.03
II.1.2 50% of pull at maximum power at rated speed														
7	68.12	6051	4.22	2321	2%	0.582	12.01	133	182	219	53	48	71%	29.03
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
9	99.26	9069	4.10	1651	3%	0.454	15.40	135	186	220	53	48	71%	29.03
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
9	68.29	6040	4.24	1685	2%	0.495	14.13	131	185	216	53	48	71%	29.03
II.2 in selected gear nearest to 4.6 mph at rated speed														
7	125.95	12142	3.89	2199	5%	0.475	14.74	139	186	224	54	48	66%	29.04
II.2.1 75% of pull at maximum power at rated speed														
7	99.15	9076	4.10	2279	4%	0.504	13.88	135	187	223	53	48	71%	29.03
II.2.2 50% of pull at maximum power at rated speed														
7	68.12	6051	4.22	2321	2%	0.582	12.01	133	182	219	53	48	71%	29.03
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
9	99.26	9069	4.10	1651	3%	0.454	15.40	135	186	220	53	48	71%	29.03
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
9	68.29	6040	4.24	1685	2%	0.495	14.13	131	185	216	53	48	71%	29.03

OECD APPROVAL # 1531 - WHITE 6145 MFWD DIESEL

Tests conducted under the responsibilty of the NEBRASKA TRACTOR TESTING LABORATORY

OPTIONAL TEST - Ballasted, Front Drive Engaged

OECD Drawbar Data (SI)

Date of tests: 2-May-94 | Fuel density: 0.838 kg/l
Type of track: Concrete | Test number: 1677

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel hum-idity	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet		kPa
I. Maximum Power (ballasted, 4wd at 2200 rev/min)						Tire pressure:		138 kPa, rear		152 kPa, front		Drawbar height:	559 mm	
4 *	83.86	86.35	3.50	2205	14%	0.324	2.58	60	85	105	11	8	65%	98.37
5	91.65	73.90	4.47	2199	7%	0.296	2.83	61	85	105	11	8	65%	98.37
6	93.26	63.02	5.33	2201	5%	0.291	2.88	61	84	106	12	8	60%	98.37
7	95.19	54.10	6.33	2200	4%	0.284	2.95	60	86	106	12	9	66%	98.34
8	94.28	44.98	7.55	2199	3%	0.288	2.91	59	86	107	12	9	66%	98.34
9	93.81	38.02	8.88	2199	3%	0.290	2.89	59	86	106	12	9	66%	98.34
10	93.98	32.67	10.36	2199	2%	0.289	2.90	60	86	107	12	9	66%	98.34
11	94.57	27.69	12.30	2202	2%	0.288	2.91	59	86	106	12	9	66%	98.34
12	92.11	23.02	14.40	2197	2%	0.296	2.84	59	86	106	12	9	66%	98.34

Note: Slip within operation conditions of test station

OECD Drawbar Data (US)

Date of tests: 2-May-94 | Fuel density: 6.994 lb/gal
Type of track: Concrete | Test number: 1677

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel hum-idity	Baro. Pres
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		in Hg
I. Maximum Power (ballasted, 4wd at 2200 rev/min)						Tire pressure:		20 psig, rear		22 psig, front		Drawbar height:	22.0 in	
4 *	112.46	19412	2.17	2205	14%	0.533	13.11	141	186	221	52	46	65%	29.05
5	122.91	16613	2.77	2199	7%	0.486	14.38	141	185	222	52	46	65%	29.05
6	125.06	14169	3.31	2201	5%	0.478	14.63	141	184	223	53	46	60%	29.05
7	127.65	12162	3.94	2200	4%	0.467	14.97	141	186	223	54	48	66%	29.04
8	126.43	10113	4.69	2199	3%	0.474	14.76	139	188	225	54	48	66%	29.04
9	125.80	8547	5.52	2199	3%	0.477	14.66	138	188	224	54	48	66%	29.04
10	126.03	7344	6.44	2199	2%	0.475	14.74	140	186	225	54	48	66%	29.04
11	126.82	6225	7.64	2202	2%	0.474	14.76	138	187	223	54	48	66%	29.04
12	123.53	5176	8.95	2197	2%	0.486	14.40	138	187	223	54	48	66%	29.04

* Note: Slip within operation conditions of test station

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

This report has been approved by the OECD Coordinating Centre in Paris (CEMAGREF) on 7 October, 1994

WHITE 6145 MFWD OECD # 1531

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Date: DEC 15 1994

LINCOLN, NEBRASKA 68583-0832,USA

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SPECIFICATIONS OF TRACTOR.

Manufacturers name/address	AGCO Corporation Norcross, Georgia, USA
Submitted for test by	The manufacturer
Selected for test by	The manufacturer in agreement with the test station.
Place of running in	AGCO Corporation, Coldwater, Ohio, USA
Duration of running in	172 hours
Location of Test	Tractor Testing Laboratory Lincoln, Nebraska,USA.

TRACTOR SPECIFICATIONS.

Make	WHITE
Model	6145
Type	Unit construction;Mechanical Front Wheel Drive (MFWD)
Number of driving wheels	2 front, 2 or 4 rear
Serial Number	640099
1st Serial number	640001

ENGINE.

Make	Cummins
Model	6BTA 5.9A
Type	Diesel; 4-stroke; turbocharged; intercooled; direct injection
Serial Number	44917075
Cylinders	
Number/Disposition	6, in line vertical
Bore/stroke	102 mm x 120 mm
Capacity	5880 cm^3
Compression Ratio	15.5:1
Arrangement of valves	In head, 2 per cylinder
Cylinder liners	None
Super charging	
Make/Model/Type	Holset/3528741/HIC Exhaust gas driven
Pressure	104.6 kPa
Fuel System	
Feed system	Gravity from tank to pump
Make/Type/Model of filters	Metal screen in tank; Spin-on KHD primary filter; spin on DAVCO paper element secondary
Fuel tank capacity	253.5 l

Make/Model/Type Injection Pump	Bosch/VE/Rotary
Pump Serial number	NR0460426132
Production setting of pump Flow Rate (Rated Eng.Spd & Full Load)	25.1 to 27.9 kg/h
Make/Model/Type Injectors	Bosch/DLLA/multi-hole
Injection pressure	515 kPa
Timing	28 +/- 2° before TDC

Governor

Make/Model/Type	Bosch/RSV/Mechanical
Governed engine speed range	775-2425 rpm
Rated engine speed	2200 rpm
High-idle speed range	2325 - 2425 rpm

Air Cleaner.

Pre-cleaner	Integral with main cleaner
Main Cleaner	
Make/Model/Type	Donaldson/STV-11-0089/Paper main and secondary elements; exhaust aspirated
Location of intake	Under hood, above radiator
Secondary cleaner	Under hood, left side, front of engine compartment
Maintenance indicator	Restriction warning light on dash

Lubrication system.

Type of feed pump	Gear pump
Type of filters	Full flow spin-on
Number	One
Oil cooler	Oil/water heat exchanger

Cooling system.

Type of coolant	Water + Ethylene Glycol
Type of pump	Centrifugal
Fan specification	Steel; 74 mm pitch
Number of fan blades	6
Fan diameter	559 mm
Coolant system capacity	23.0 liter
Type of temperature control	One thermostat
Superpressure system	48 kPa

Starting system.

Make/Model/Type of starter	DELCO/28MT/Type 171/solenoid engaged
Power Rating	2.9 kW
Cold starting aid	KBI; ether injection into intake manifold
Safety device	Clutch pedal interlock and

	PTO switch interlock
Electrical system.	
Voltage & grounding.	12 Volt, Negative ground
Alternator	
Make/Model/Type	DELCO/15SI/Belt driven
Power rating	105 Amp
Batteries	
Number & connection	Two 12-Volt in parallel
Rating	580 CCA each at -17.5°C, 130 minute rating
Exhaust system.	
Muffler Make/Model/Type	Nelson/25580A/Reactive
Location	Under hood; behind engine
Exhaust stack location	Right side of Cab along post
TRANSMISSION.	
Clutch. (travel)	
Make/Model/Type	Funk/9400/wet plate type
Number of plates	14 (master clutch)
Plate diameter	148.8 mm
Method of operation	Hydraulic
Gear Box.	
Make/Model/Type	Funk/YZ15021A/9400EB Powershift Mechanical
Arrangement	Countershaft type with 9 clutch packs and 8 shafts; two forward and one reverse master clutch.
Number of gears	18 forward; 9 reverse
	single lever control
Oil cooler	Oil-air heat exchanger
Available options	None
Rear axle and final drives.	
Make/Model/Type (before serial # 00100)	AGCO/Crown wheel and pinion/ differential and in-board planetary reduction
Make/Model/Type (from serial # 00100)	David Brown/Crown wheel and pinion/differential and inboard planetary reduction
Differential Lock-Type	Multi-Disc wet clutch, electrically activated
Method of engagement	Rocker switch on right arm rest
Method of disengagement	Service brake pedal
Front Axle and final drives.	
Make/Model/Type	ZF/365/Central drive input
Differential lock	None

Gear ratios and travel speeds.
(Tire dynamic radius of 889 mm ISO 4251/1-1984)

Gear Number	Number of engine revolutions for one revolution of the driving wheels	Nominal travel speed at rated engine speed of 2200 rev/min [km/h]
Forward		
1	291.7	2.527
2	246.8	2.987
3	210.9	3.495
4	184.1	4.003
5	155.8	4.731
6	133.2	5.536
7	113.1	6.517
8	95.7	7.702
9	81.8	9.013
10	70.4	10.469
11	59.6	12.369
12	50.9	14.474
13	44.5	16.581
14	37.6	19.596
15	32.1	22.931
16	27.3	26.988
17	23.1	31.903
18	19.7	37.333
Reverse		
1 (R4)	240.5	3.064
2 (R5)	203.5	3.622
3 (R6)	173.9	4.238
4 (R7)	151.8	4.855
5 (R8)	128.5	5.737
6 (R9)	109.8	6.714
7 (R10)	93.3	7.903
8 (R11)	78.9	9.341
9 (R12)	67.4	10.934

Number of front wheel revolutions
for one rear wheel revolution: 1.304

POWER - TAKE - OFF.

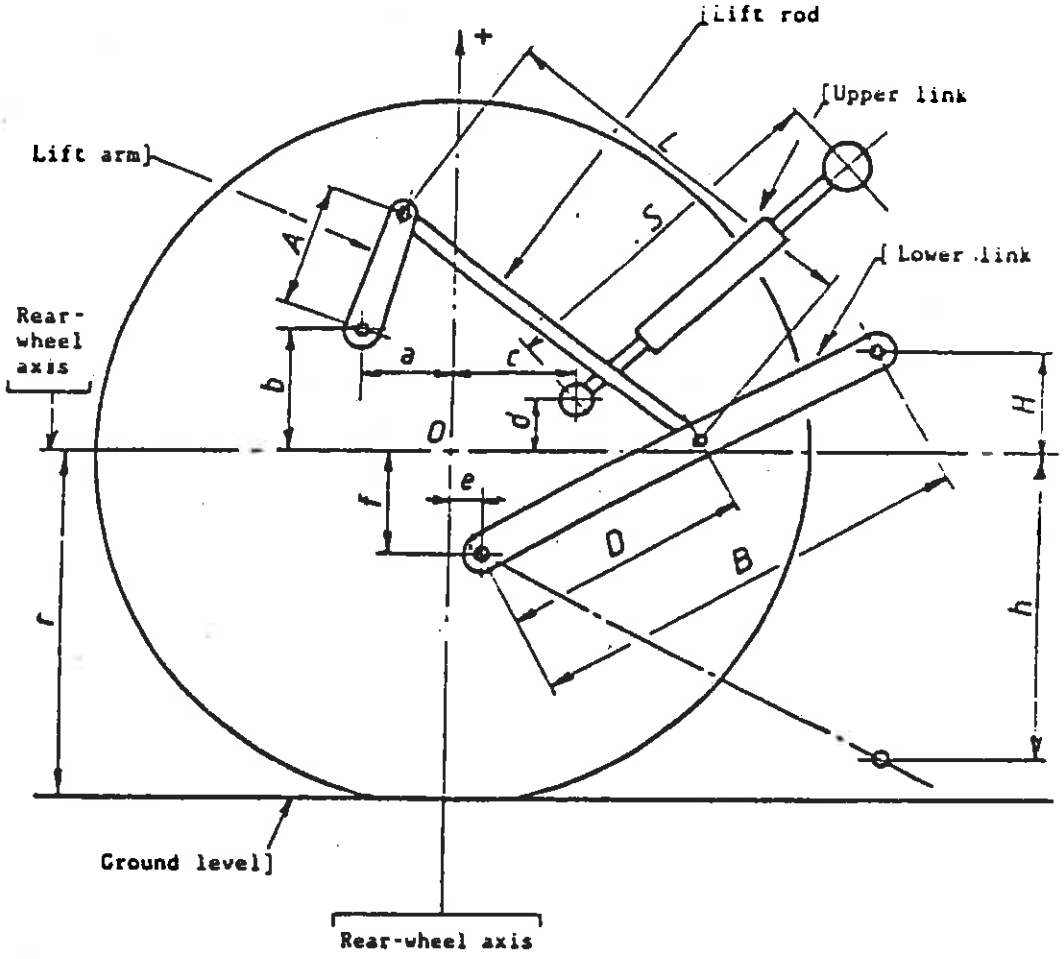
Main Power-Take-Off.	
Type	Independent
Method of engagement	Hydraulically activated multiplate wet clutch operated by hand lever
Number of shafts	Two, 540 and 1000 rpm
Method of changing speeds	Interchange shafts
Standard PTO. 1000 rev/min.	
Location	Rear of tractor; vertical center plane
Diameter of shaft	35 mm (ISO 500/1991)
Number of splines	21 teeth
Height above ground	781 mm
Distance from median plane of tractor	0 mm
Distance behind rear axle	521 mm
PTO Speed at rated engine spd	1100 rpm
Engine speed at Std. PTO spd	2000 rpm
Engine speed/PTO speed ratio	2:1
Power restriction	None
Direction of rotation when viewed from shaft end	Clockwise
Standard PTO. 540 rev/min.	
Location	Rear of tractor; vertical center plane
Diameter of shaft	35 mm (ISO 500/1991)
Number of splines	6
Height above ground	781 mm
Distance from median plane of tractor	0 mm
Distance behind rear axle	521 mm
PTO Speed at rated engine spd	587 rpm
Engine speed at Std. PTO spd	2025 rpm
Engine speed/PTO speed ratio	3.75:1
Power restriction	45 kW
Direction of rotation when viewed from shaft end	Clockwise

POWER LIFT.

Make/Model/Type (before serial # 00100)	AGCO/Standard/3-point hitch
Make/Model/Type (from serial # 00100)	David Brown/Standard/3-point hitch
Type of hydraulic system	Charged closed center
Number/Type of cylinders	One internal; 127x155.6 mm bore x stroke; single acting
Optional cylinders	One external; 38.1x292.1 mm bore x stroke; single acting
Type of linkage lock for transport	Hydraulic; on lift lever
Relief valve pressure setting	15.51 ± 0.34 MPa
Opening pressure of cylinder safety valve	17.93 ± 0.41 MPa
Lift pump type	Axial piston;Variable displacement
Power transmission to pump	Internal mechanical drive
Type/Number of filters	One/10 micron
Location of oil reservoir	Rear main frame
Number/Type/Location of tapping points.	Three ISO couplers at left rear; One extra optional
Max. oil volume available for external cylinders.	30 l.

THREE POINT LINKAGE.

- Category 3 in conformity with ISO 730/1-1990
- Category adaptor None



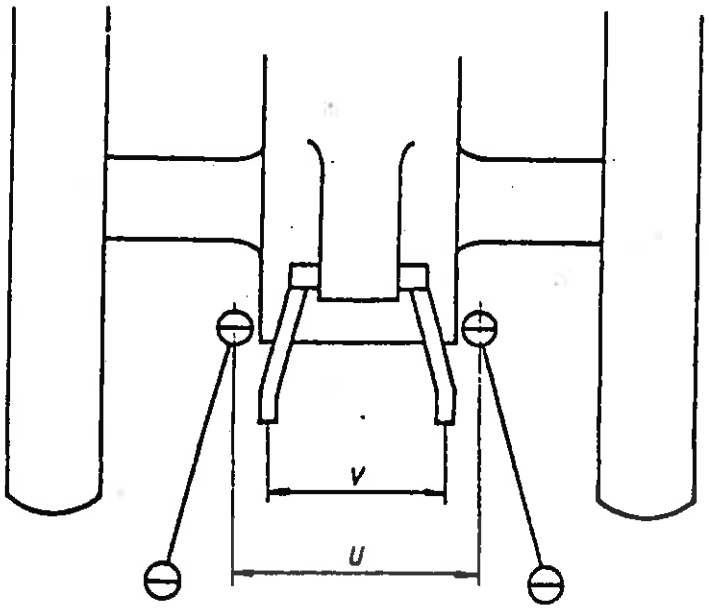


Table 1.1 -*Linkage geometry dimensions.

		Dimension or range [mm]	Settings used on test [mm]
Lift category		III	III
Rear Tire - Radius Index	(r)	889	889
Front Tire - Radius Index	(r')	670	670
Length of lift arms	(A)	406	406
Length of lower links	(B)	884	884
Distance of lift arm pivot from: horizontal	(a)	-200	-200
rear wheel axis: vertical	(b)	461	461
Horizontal distance between the 2 lower link points	(U)	540	540
Horizontal distance between the 2 lift arm end points	(V)	718	718
Length of upper link	(S)	570 to 760	641
Distance of upper link pivot point from rear wheel axis			
Top hole - horizontal	(c)	509	509
- vertical	(d)	230	230
Bottom hole - horizontal	(c)	531	531
- vertical	(d)	160	160
Distance of lower link pivot from: horizontal	(e)	267	267
rear wheel axis: vertical	(f)	259	259
Distance of lower link pivot points to lift rod pivot pts on lower links.	(D)	542	542
Length of lift rods	(L)	876 to 1008	983
Height of lower hitch points relative to rear wheel axis			
In low position	(h)	649	649
In high position	(H)	101	101
Height above ground of lower hitch points when locked in transport position.		948 to 1139	972

*Assuming (r) with a tire dynamic index of 889 mm
ISO 4251/1-1984

SWINGING DRAWBAR.

Type	Oscillating; 76.4 mm wide; 38.1 mm thick; 50 mm offset strap
Height above ground	549 mm
Adjustments	5 fixed positions side to side; 3 fore/aft positions
Distance of hitch point from rear wheel axis-horizontal	908 mm ; 959 mm; 1035 mm
Distance of hitch point from PTO shaft end: Vertical	241 mm
Horizontal	254 mm
Lateral adjustment-Right side	305 mm
Left side	305 mm
Distance of pivot point from rear wheel axis-horizontal	50.8 mm ahead of axle centerline
Diameter of drawbar pin hole	35.0 mm
Maximum vertical static permissible load(s)	Foremost position- 3.852 kN Center position - 3.311 kN Rearmost position- 2.736 kN

STEERING.

Make/Model/Type	Eaton/212-1065-001/Hydrostatic
Method of operation	Hydrostatic
Pump	Supplied from main hydraulics
Ram(s)	One double-ended rod
Working pressure	15.51 ± 0.35 MPa

BRAKES.

<u>Service brake.</u>	
Make/Model/Type (Before serial # 00100)	AGCO Raybestos/30-3145768/Wet disk
Make/Model/Type (from serial # 00100)	AGCO Raybestos/72506044/Wet disk
Method of operation	Hydraulic; pedal activated
<u>Parking brake.</u>	
Type	Park Lock on Transaxle input shaft
Method of operation	Mechanical; lever on right side
<u>Trailer Brake</u>	None

WHEELS.

Number	
Front	2; steering and driving
Rear	2 or 4; driving
Wheel base	2718 mm

Track width adjustment

	Minimum [mm]	Maximum [mm]	Adjustment method
Front	1590	2250	Adjustable rim
Rear-singles	1575	2591	Rim slides on axle
-duals	2794	3150	As Above

PROTECTIVE STRUCTURE.

Make/Model/Type	AGCO/72.504.500/Safety Cab
Manufacturer's name/address	AGCO Corp., Norcross, Georgia,USA
OECD approval number	CSS 0239/8

OPERATOR'S SEAT.

Make/Model/Type	Grammer/MSG 95A/20
Type of suspension	Air
Type of damping	Adjustable shock absorber
Range of adjustment	
Longitudinal	0-150 mm
Vertical	0-80 mm

LIGHTING.

	Height above ground of light center [mm]	Size [mm] x [mm]	Distance from outside edge to median plane of tractor. [mm]
Head lights	1295	149 x 98.5	229
Rear lights	2515	146 x 90.5	762
Rear reflectors	2286	63.5x 189	762

TEST CONDITIONS.

Overall dimensions.

Length		4633 mm
Width	Minimum	2921 mm
	Maximum	3435 mm
Height - Top protective structure		3137 mm
- Top of exhaust		3132 mm
Ground clearance. (unballasted)		457 mm
Clearance-limiting part		Drawbar support bracket

Tractor Mass (with cab,full fuel tank).

		without driver [kg]	with driver [kg]
Unballasted	Front	2636	2646
	Rear	5023	5088
	Total	7659	7734
Ballasted	Front	2636	2646
	Rear	5868	5933
	Total	8504	8579

Ballast.

	Number of weights	Mass (total) [kg]	Water [kg]
Front	--	--	--
Rear	--	--	--
Duals	--	771	--
Additional test equipment	--	74	-

Tire Specifications.

	Front Wheels	Rear Wheels
Make	Armstrong	Armstrong
Dimensions	16.9R28	18.4R42
Ply rating	2 Star (8-10 P.R.)	2 star (8-10 P.R.)
Type	Radial	Radial
Max.load (tire manufacturer)	2405 kg	3382 kg
Max.load(tractor manufacturer)	2304 kg	2903 kg
Inflation pressure (tire mfr)-max	165 kPa	124 kPa
-min	42 kPa	83 kPa
Dynamic Radius Index	670 mm	889 mm
Chosen track width	1880 mm	Inner 1575 mm Outer 2946 mm

Oils and Lubrication.

Capacity and change interval:

	Capacity liter	Oil change hours	Filter change hours
Engine (w/o filter)	16.0	250	250
Gear Box, final drive, rear axle and hydraulics	83.3	1000	1000
Front axle	10.0	1000	1000
Final drive, front	1.7	1000	1000

Oil and Lubricant specifications:

	Recommended	Used during test
Engine oil	AGCO Power Fluid	same
Type	15W40	
Viscosity	68.9 cS at 40°C 10.6 cS at 100°C	
Classification	CF-4/CE/CD-II/SG Spec; MIL-L-46152E	
Transmission	AGCO Power Fluid 821XL	same
Type	Multipurpose hydraulic & transmission fluid	
Viscosity	60 cS at 40°C 8.8 cS at 100° C)ASTM D445)	
Classification		
Hydraulic fluid	AGCO Power Fluid 821XL	same
Type	Multipurpose hydraulic & transmission fluid	
Viscosity	60 cS at 40°C 8.8 CS at 100° C (ASTM D445)	
Classification		
Front axle and hubs	AGCO Gear Lube 715	same
Type	Multi-gear Lube EP SAE 80W90	
Viscosity	132 cS at 40°C 14 cS at 100°C	
Classification	API GL-5, MIL-L-21050	
Steering System	Same as Hydraulic system	same
Grease		
Type	AGCO Super Lithium No.2	same
Number of lube points	22	

Fuel

Type/grade	Premier; Grade 2-D, in conformity with the national standard
Density (Pto test) (Drawbar test)	0.838 kg/liter at 15° C 0.838 kg/liter at 15° C
Cetane number	54.5
Viscosity	2.31 cSt at 38 ° C

COMPULSORY TESTS

1. MAIN POWER TAKE-OFF

Date: 27-Apr-94 Location: UNL Tractor Test Lab, Lincoln, NE, U.S.A.

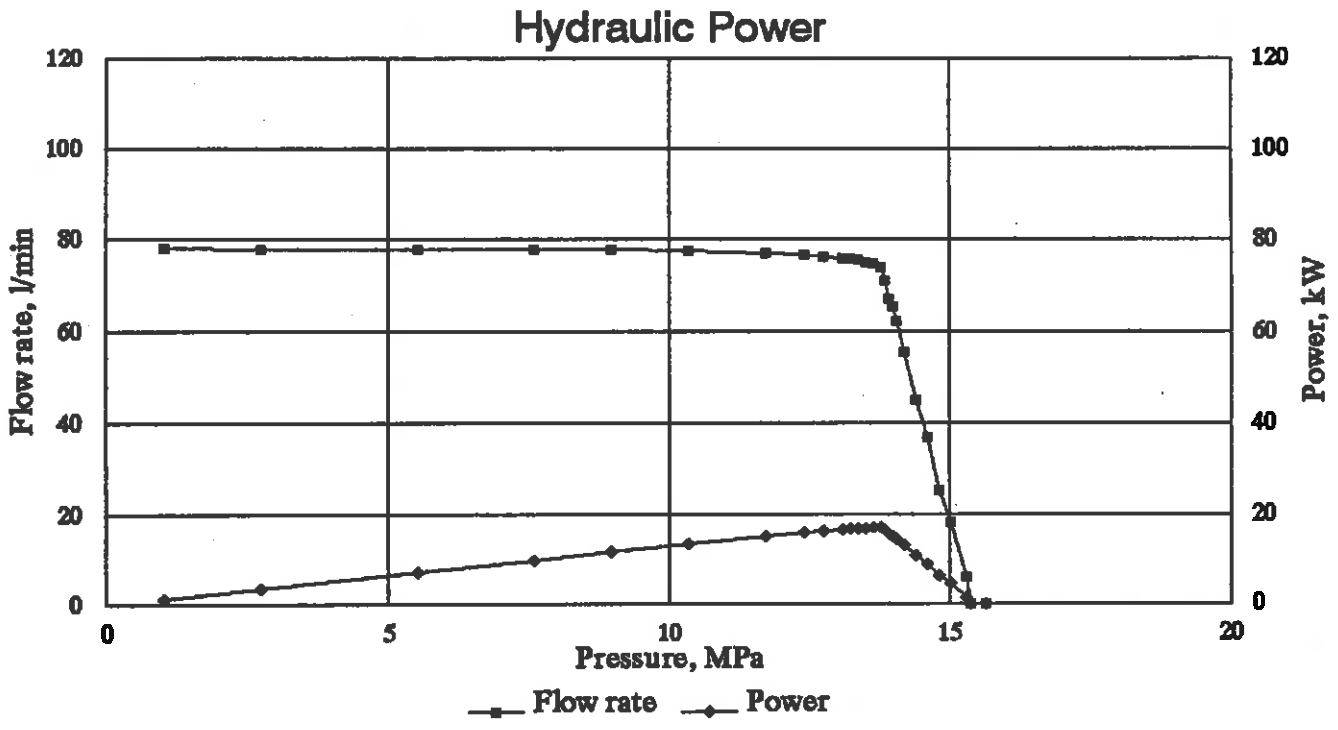
Type of dynamometer: Eddy current, Eaton Fuel density: 0.838 kg/l *6.994 lb/gal*

Power kW *hp*	Eng rev/min	PTO rev/min	l/h *gal/h*	kg/h *lb/h*	kg/kW.h *lb/hp.h*	kW.h/l *hp.h/gal*
1.1 Maximum Power – 2 hours						
106.41 *142.70*	2200	1100	32.39 *8.56*	27.15 *59.85*	0.255 *0.419*	3.29 *16.68*
1.2 Power at Rated Engine Speed – 1 hour						
106.41 *142.70*	2200	1100	32.39 *8.56*	27.15 *59.85*	0.255 *0.419*	3.29 *16.68*
1.3 Power at Standard Power Take-Off Speed – 1 hour						
105.18 *141.05*	2001	1000	30.70 *8.11*	25.73 *56.73*	0.245 *0.402*	3.43 *17.39*
1.4 Part Loads						
1.4.1 Torque at maximum power at rated engine speed						
106.41 *142.70*	2200	1100	32.39 *8.56*	27.15 *59.85*	0.255 *0.419*	3.29 *16.68*
1.4.2 85% of torque obtained in 1.4.1						
93.71 *125.67*	2275	1138	29.39 *7.76*	24.63 *54.30*	0.263 *0.432*	3.19 *16.19*
1.4.3 75% of torque defined in 1.4.2						
71.05 *95.28*	2295	1148	24.36 *6.43*	20.41 *45.00*	0.287 *0.472*	2.92 *14.81*
1.4.4 50% of torque defined in 1.4.2						
48.00 *64.37*	2330	1165	19.16 *5.06*	16.06 *35.40*	0.335 *0.550*	2.51 *12.72*
1.4.5 25% of torque defined in 1.4.2						
24.33 *32.63*	2361	1180	14.61 *3.86*	12.25 *27.00*	0.503 *0.827*	1.66 *8.45*
1.4.6 unloaded						
0.27 *0.37*	2419	1210	10.23 *2.70*	8.57 *18.90*	31.201 *51.293*	0.03 *0.14*
1.5 Part Loads at Standard Power Take-off Speed						
1.5.1 Torque at maximum power						
105.18 *141.05*	2001	1000	30.70 *8.11*	25.73 *56.73*	0.245 *0.402*	3.43 *17.39*
1.5.2 85% of torque obtained in 1.5.1						
90.71 *121.64*	2030	1015	26.95 *7.12*	22.59 *49.80*	0.249 *0.409*	3.37 *17.08*
1.5.3 75% of torque defined in 1.5.2						
69.17 *92.76*	2065	1033	22.24 *5.88*	18.64 *41.10*	0.270 *0.443*	3.11 *15.79*
1.5.4 50% of torque defined in 1.5.2						
47.14 *63.22*	2115	1057	17.54 *4.63*	14.70 *32.40*	0.312 *0.513*	2.69 *13.65*
1.5.5 25% of torque defined in 1.5.2						
24.12 *32.35*	2153	1077	13.15 *3.47*	11.02 *24.30*	0.457 *0.751*	1.83 *9.31*
1.5.6 unloaded						
0.19 *0.25*	2221	1111	8.61 *2.27*	7.21 *15.90*	38.111 *62.653*	0.02 *0.11*

No load maximum engine speed:	2419 rev/min	
Equivalent torque at rated speed:	462 N·m	*341 lb-ft*
Equivalent torque at maximum power:	462 N·m	*341 lb-ft*
(engine speed:	2200 rev/min)	
Maximum equivalent crankshaft torque:	583 N·m	*430 lb-ft*
(engine speed:	1501 rev/min)	
Mean Dry bulb:	24 deg C	*75 deg F*
Wet bulb:	15 deg C	*59 deg F*
Relative humidity:	37 %	
Pressure:	98.57 kPa	*29.11 in Hg*
Maximum Coolant:	92 deg C	*198 deg F*
Engine oil:	108 deg C	*226 deg F*
Fuel:	69 deg C	*156 deg F*
Air intake:	32 deg C	*90 deg F*
Transmission/hydraulic oil:	58 deg C	*137 deg F*
Intake manifold pressure at rated speed:	114 kPa	*16.5 psig*
Intake manifold pressure at maximum power:	114 kPa	*16.5 psig*

Hydraulic Power Test

Date of test: 26–Apr–94					
Location of test–City–State: Tractor Test Lab, Lincoln, NE, USA					
Tapping point used for test: Remote hydraulic outlets					
I. Sustained pressure with pump stalled:					
15.65 MPa					
2270 psi					
II. Pump delivery rate at minimum pressure and rated engine speed:					
78.0 l/min					
20.6 gpm					
III. Flow rate, pressure, power:					
90% of relief valve setting:					
	62.1 l/min		14.07 MPa		14.56 kW
	16.4 gpm		*2040 psi*		*19.52 hp*
Maximum hydraulic power:					
	74.6 l/min		13.65 MPa		16.97 kW
	19.7 gpm		*1980 psi*		*22.76 hp*
IV. Hydraulic fluid temperature at flow meter:					
63 C					
146 F					



2.2 POWER LIFT TEST. Cat III, without boost cylinder
(for settings see p. 8)
Date of test: 10 May 1994

		Hitch points	Frame
Lower hitch points above ground - down position:	[mm]	221	147
Vertical movement: without load:	[mm]	744	970
Vertical movement: with load:	[mm]	721	925
Maximum corrected force through full range:	[kN]	37.3	26.3
Corresponding pressure:	[kPa]	13962	
Moment about rear axle:	[kN.m]	42.9	46.3
Maximum mast tilt angle:	[deg]	--	12.3

Lifting height relative to horizontal position of lower links.

[mm]	475	-401	-297	-198	-97	3
Corrected lift forces						
Hitch point [kN]	--	37.3	40.6	45.1	49.9	51.5
at frame [kN]	26.3	26.6	--	29.5	31.7	33.3

Lifting height relative to horizontal position of lower links.

[mm]	102	201	302	320	427	450
Corrected lift forces						
Hitch point [kN]	58.1	61.0	67.2	68.1	--	--
at frame [kN]	34.4	--	33.7	--	34.1	34.2

OECD Drawbar Data (SI)

Date of tests:	03-May-94	Fuel density:	0.838 kg/l
Type of track:	Concrete	Test number:	1677

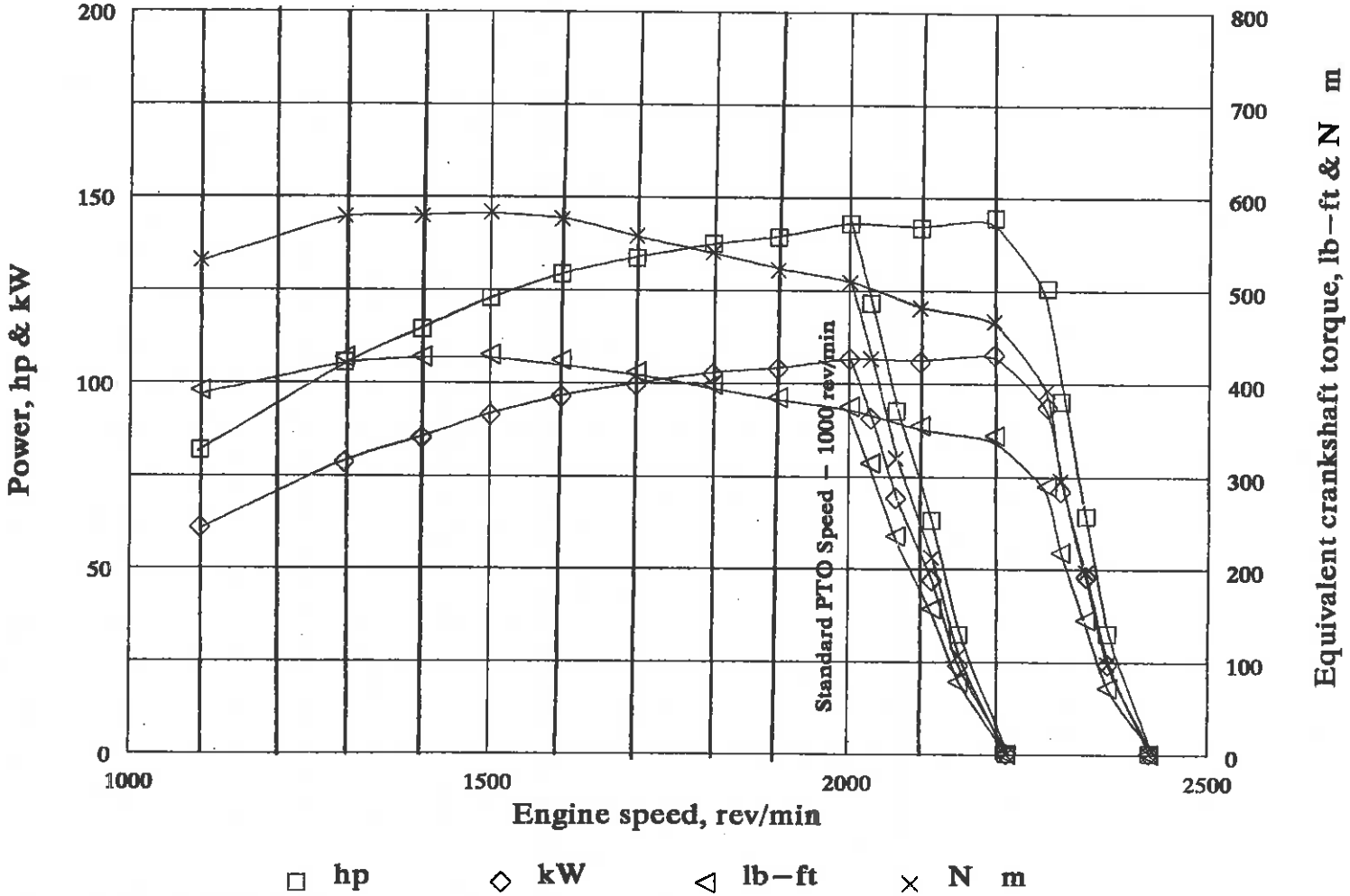
Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel humidity	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet		kPa
I. Maximum Power (unballasted, 4wd at 2200 rev/min)						Tire pressure:		138 kPa, rear		152 kPa, front		Drawbar height:		521 mm
3	61.28	69.89	3.16	2283	13.53%	0.353	2.37	58	84	104	13	9	67%	98.24
4	71.30	71.74	3.58	2276	14.22%	0.339	2.47	57	84	104	13	9	67%	98.24
5	82.03	67.07	4.40	2261	10.17%	0.316	2.65	60	85	105	13	9	67%	98.24
6	89.84	62.79	5.15	2198	7.57%	0.300	2.79	62	85	106	14	11	68%	98.24
7	93.46	54.03	6.23	2201	5.15%	0.291	2.88	59	86	106	14	11	68%	98.24
8	92.57	44.65	7.46	2198	3.72%	0.292	2.87	61	86	108	14	11	68%	98.24
9	91.97	37.59	8.81	2200	2.95%	0.294	2.85	62	86	107	16	13	74%	98.24
10	93.29	32.69	10.28	2199	2.51%	0.290	2.89	61	86	107	16	13	74%	98.24
11	93.43	27.58	12.20	2199	2.34%	0.291	2.88	61	86	108	16	13	74%	98.24
12	91.22	22.89	14.34	2201	1.72%	0.297	2.82	60	86	106	16	13	74%	98.24
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power														
7	93.46	54.03	6.23	2201	5.15%	0.291	2.88	59	86	106	14	11	68%	98.24
II.1.1 75% of pull at maximum power at rated speed														
7	73.96	40.50	6.57	2277	3.29%	0.304	2.75	58	86	105	16	13	74%	98.24
II.1.2 50% of pull at maximum power at rated speed														
7	50.90	27.03	6.78	2319	1.98%	0.353	2.38	58	83	104	17	14	75%	98.0
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
9	73.92	40.46	6.58	1648	3.38%	0.275	3.04	60	86	105	16	13	74%	98.24
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
9	50.84	27.07	6.76	1672	2.07%	0.301	2.79	57	84	102	17	14	75%	98.04
II.2 in selected gear nearest to 7.5 km/h														
8	92.57	44.65	7.46	2198	3.72%	0.292	2.87	61	86	108	14	11	68%	98.24
II.2.1 75% of pull at maximum power at rated speed														
8	72.69	33.44	7.82	2277	2.60%	0.306	2.74	60	85	106	17	14	75%	98.04
II.2.2 50% of pull at maximum power at rated speed														
8	49.82	22.29	8.04	2319	1.63%	0.365	2.29	58	83	103	17	14	75%	98.04
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	72.60	33.39	7.83	1676	2.69%	0.276	3.04	60	86	104	17	14	75%	98.04
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	49.84	22.27	8.05	1709	1.81%	0.303	2.77	57	84	101	17	14	75%	98.04

OECD Drawbar Data (US)

Date of tests:	03-May-94	Fuel density:	6.994 lb/gal
Type of track:	Concrete	Test number:	1677

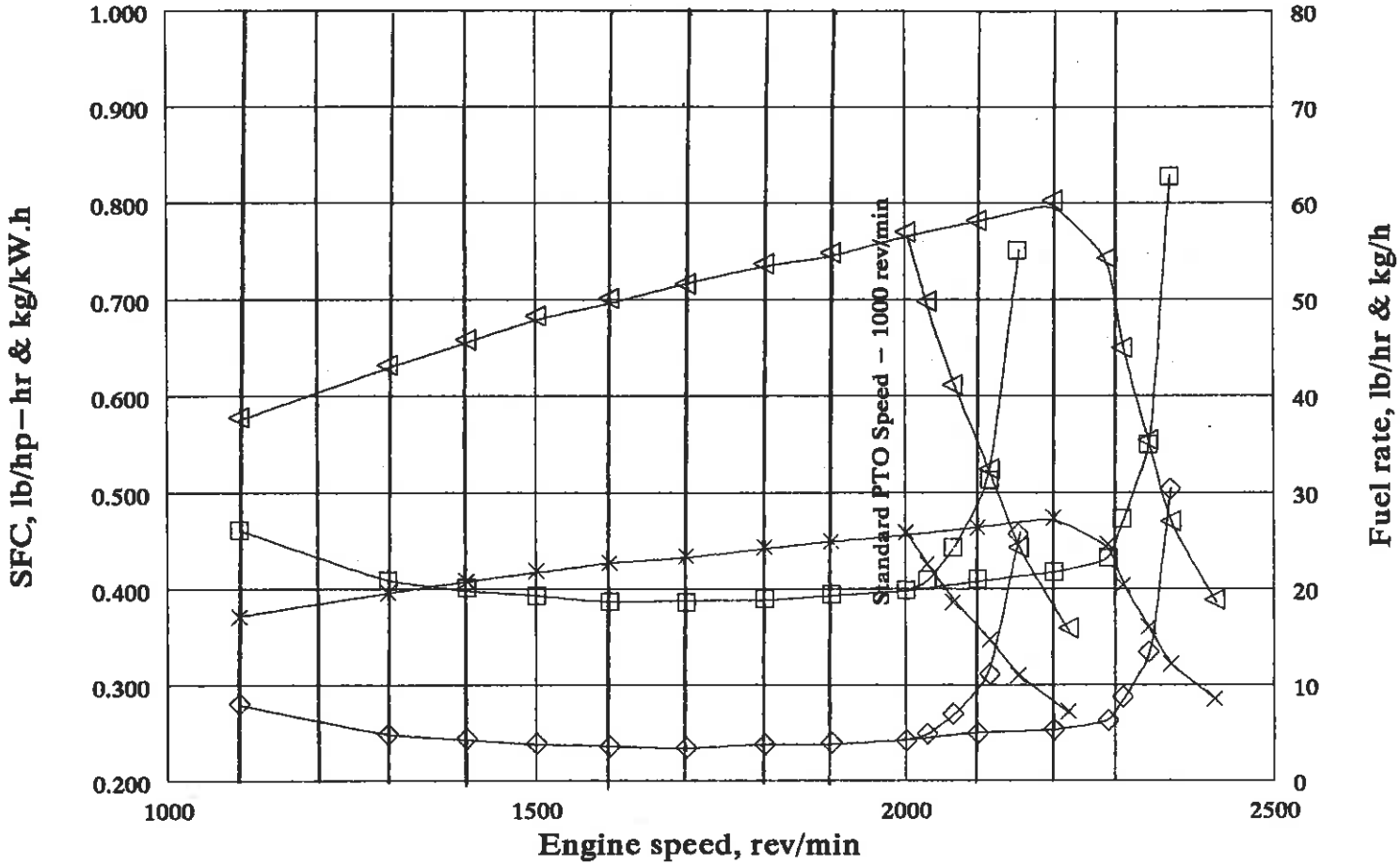
Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel humidity	Baro. Pres
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		in Hg
I. Maximum Power (unballasted, 4wd at 2200 rev/min)						Tire pressure:		20 psig, rear		22 psig, front		Drawbar height:		20.5 in
3	82.18	15711	1.96	2283	13.53%	0.581	12.04	137	184	219	55	49	67%	29.01
4	95.62	16128	2.22	2276	14.22%	0.557	12.55	135	183	219	55	49	67%	29.01
5	110.00	15079	2.74	2261	10.17%	0.520	13.45	140	185	221	55	49	67%	29.01
6	120.48	14116	3.20	2198	7.57%	0.494	14.16	144	186	223	58	52	68%	29.01
7	125.33	12147	3.87	2201	5.15%	0.478	14.64	138	186	224	58	52	68%	29.0
8	124.13	10037	4.64	2198	3.72%	0.479	14.59	142	186	226	58	52	68%	29.0
9	123.34	8451	5.47	2200	2.95%	0.483	14.49	143	187	225	60	55	74%	29.01
10	125.11	7348	6.38	2199	2.51%	0.477	14.66	143	188	225	60	55	74%	29.01
11	125.30	6200	7.58	2199	2.34%	0.479	14.60	141	187	226	60	55	74%	29.01
12	122.33	5147	8.91	2201	1.72%	0.489	14.32	140	187	224	60	55	74%	29.01
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power														
7	125.33	12147	3.87	2201	5.15%	0.478	14.64	138	186	224	58	52	68%	29.01
II.1.1 75% of pull at maximum power at rated speed														
7	99.18	9105	4.08	2277	3.29%	0.500	13.98	137	187	221	60	55	74%	29.01
II.1.2 50% of pull at maximum power at rated speed														
7	68.26	6076	4.21	2319	1.98%	0.580	12.06	137	182	219	63	58	75%	28.95
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
9	99.13	9095	4.09	1648	3.38%	0.453	15.45	139	186	221	60	55	74%	29.01
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
9	68.17	6086	4.20	1672	2.07%	0.495	14.14	135	184	215	63	58	75%	28.95
II.2 in selected gear nearest to 4.6 mph														
8	124.13	10037	4.64	2198	3.72%	0.479	14.59	142	186	226	58	52	68%	29.01
II.2.1 75% of pull at maximum power at rated speed														
8	97.48	7519	4.86	2277	2.60%	0.503	13.90	139	185	222	63	58	75%	28.95
II.2.2 50% of pull at maximum power at rated speed														
8	66.80	5012	5.00	2319	1.63%	0.601	11.65	136	182	218	63	58	75%	28.95
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	97.36	7506	4.86	1676	2.69%	0.454	15.41	140	187	220	63	58	75%	28.95
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	66.83	5008	5.00	1709	1.81%	0.498	14.04	135	183	215	63	58	75%	28.95

Power and Equivalent Crankshaft Torque
White 6145



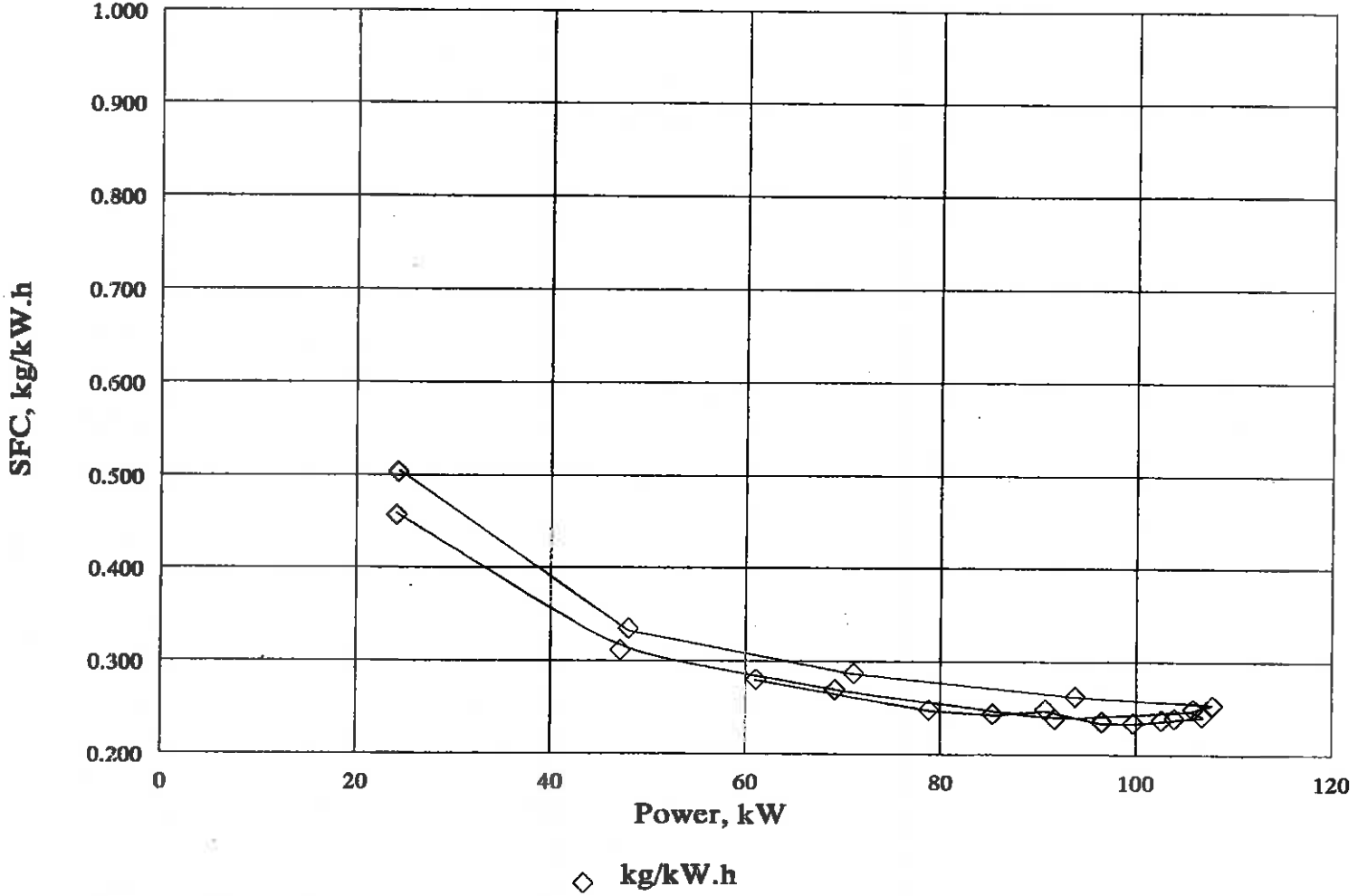
Nebraska Tractor Test #1677

Specific Fuel Consumption and Fuel Rate
White 6145



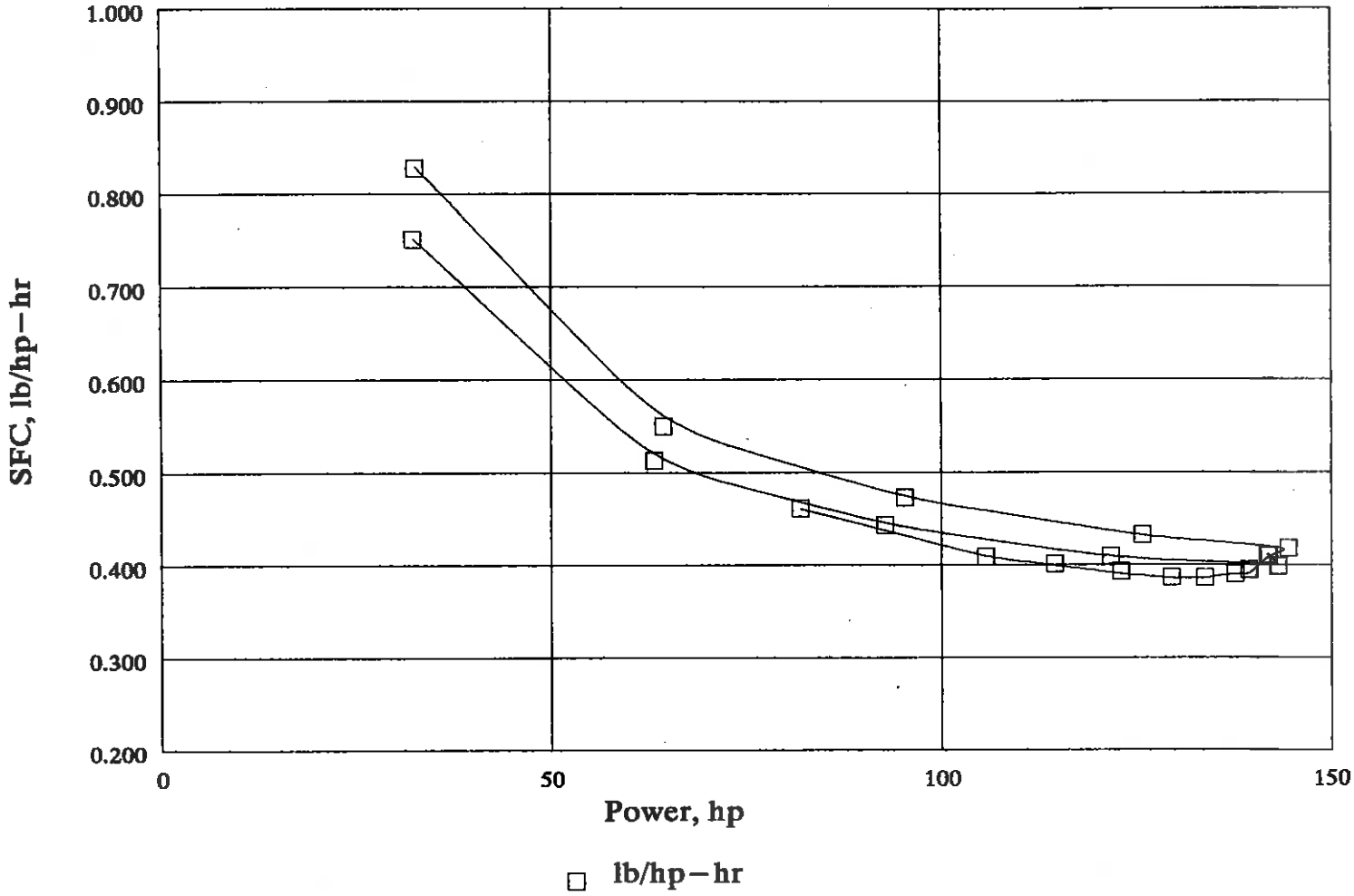
Nebraska Tractor Test #1677

Power and Specific Fuel Consumption
White 6145



Nebraska Tractor Test #1677

Power and Specific Fuel Consumption
White 6145



Nebraska Tractor Test #1677

OPTIONAL TEST - Ballasted, Front Drive Engaged

OECD Drawbar Data (SI)

of tests:	2-May-94	Fuel density:	0.838 kg/l
of track:	Concrete	Test number:	1677

ear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel hum-idity	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet		kPa
aximum Power (ballasted, 2wd at 2200 rev/min)						Tire pressure:		138 kPa, rear		152 kPa, front		Drawbar height:		559 mm
	73.89	74.25	3.58	2274	14.37%	0.338	2.48	60	84	105	11	8	65%	98.37
	87.43	73.47	4.28	2199	10.46%	0.311	2.70	61	85	106	12	8	60%	98.37
	91.62	63.07	5.23	2197	6.52%	0.297	2.82	60	85	106	12	8	60%	98.37
	93.92	54.01	6.26	2199	4.88%	0.289	2.90	60	86	107	12	9	66%	98.34
	92.63	44.55	7.49	2200	4.03%	0.292	2.87	60	86	107	12	9	66%	98.34
	92.11	37.64	8.81	2197	3.35%	0.296	2.83	43	86	107	12	9	66%	98.34
0	93.14	32.57	10.30	2200	2.83%	0.293	2.86	59	86	107	12	9	66%	98.34
	93.36	27.53	12.21	2198	2.30%	0.292	2.87	59	86	107	12	9	66%	98.34
2	90.76	22.75	14.36	2201	2.03%	0.301	2.78	59	86	107	12	9	66%	98.34
rt loads (ballasted, 2wd)														
selected gear at maximum power														
	93.92	54.01	6.26	2199	4.88%	0.289	2.90	60	86	107	12	9	66%	98.34
75% of pull at maximum power at rated speed														
	73.94	40.37	6.59	2279	3.52%	0.307	2.73	57	86	106	12	9	71%	98.31
50% of pull at maximum power at rated speed														
	50.79	26.92	6.79	2321	2.39%	0.354	2.37	56	83	104	12	9	71%	98.31
next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
	74.02	40.34	6.61	1651	3.43%	0.276	3.03	57	86	104	12	9	71%	98.31
next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
	50.92	26.87	6.82	1685	2.30%	0.301	2.78	55	85	102	12	9	71%	98.31
selected gear nearest to 7.5 km/h														
	93.92	54.01	6.26	2199	4.88%	0.289	2.90	60	86	107	12	9	66%	98.34
75% of pull at maximum power at rated speed														
	73.94	40.37	6.59	2279	3.52%	0.307	2.73	57	86	106	12	9	71%	98.31
50% of pull at maximum power at rated speed														
	50.79	26.92	6.79	2321	2.39%	0.354	2.37	56	83	104	12	9	71%	98.31
next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
	74.02	40.34	6.61	1651	3.43%	0.276	3.03	57	86	104	12	9	71%	98.31
next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
	50.92	26.87	6.82	1685	2.30%	0.301	2.78	55	85	102	12	9	71%	98.31

OECD Drawbar Data (US)

f tests:	2-May-94	Fuel density:	6.994 lb/gal
f track:	Concrete	Test number:	1677

ar	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel hum-idity	Baro. Pres
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		in Hg
ximum Power (ballasted, 2wd at 2200 rev/min)						Tire pressure:		20 psig, rear		22 psig, front		Drawbar height:		22.0 in
	99.08	16693	2.23	2274	14.37%	0.555	12.60	141	184	221	52	46	65%	29.05
	117.25	16518	2.66	2199	10.46%	0.511	13.70	141	185	222	53	46	60%	29.05
	122.86	14178	3.25	2197	6.52%	0.489	14.31	140	185	223	53	46	60%	29.05
	125.95	12142	3.89	2199	4.88%	0.475	14.74	139	186	224	54	48	66%	29.04
	124.22	10015	4.65	2200	4.03%	0.480	14.56	140	187	225	54	48	66%	29.04
	123.52	8461	5.47	2197	3.35%	0.487	14.37	109	187	225	54	48	66%	29.04
	124.90	7322	6.40	2200	2.83%	0.481	14.53	139	186	225	54	48	66%	29.04
	125.20	6190	7.58	2198	2.30%	0.480	14.58	139	187	225	54	48	66%	29.04
	121.71	5114	8.92	2201	2.03%	0.496	14.11	138	187	225	54	48	66%	29.04
t loads (ballasted, 2wd)														
selected gear at maximum power														
	125.95	12142	3.89	2199	4.88%	0.475	14.74	139	186	224	54	48	66%	29.04
75% of pull at maximum power at rated speed														
	99.15	9076	4.10	2279	3.52%	0.504	13.88	135	187	223	53	48	71%	29.03
50% of pull at maximum power at rated speed														
	68.12	6051	4.22	2321	2.39%	0.582	12.01	133	182	219	53	48	71%	29.03
next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
	99.26	9069	4.10	1651	3.43%	0.454	15.40	135	186	220	53	48	71%	29.03
next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
	68.29	6040	4.24	1685	2.30%	0.495	14.13	131	185	216	53	48	71%	29.03
selected gear nearest to 4.6 mph														
	125.95	12142	3.89	2199	4.88%	0.475	14.74	139	186	224	54	48	66%	29.04
75% of pull at maximum power at rated speed														
	99.15	9076	4.10	2279	3.52%	0.504	13.88	135	187	223	53	48	71%	29.03
50% of pull at maximum power at rated speed														
	68.12	6051	4.22	2321	2.39%	0.582	12.01	133	182	219	53	48	71%	29.03
next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
	99.26	9069	4.10	1651	3.43%	0.454	15.40	135	186	220	53	48	71%	29.03
next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
	68.29	6040	4.24	1685	2.30%	0.495	14.13	131	185	216	53	48	71%	29.03

OPTIONAL TEST - Ballasted, Front Dirve Engaged

OECD Drawbar Data (SI)

Date of tests:	02-May-94	Fuel density:	0.838 kg/l
Type of track:	Concrete	Test number:	1677

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel humidity	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet		kPa
L Maximum Power (ballasted, 4wd at 2200 rev/min)						Tire pressure:		138 kPa, rear		152 kPa, front		Drawbar height:		559 mm
4	83.86	86.35	3.50	2205	13.90%	0.324	2.58	60	85	105	11	8	65%	98.37
5	91.65	73.90	4.47	2199	6.61%	0.296	2.83	61	85	105	11	8	65%	98.37
6	93.26	63.02	5.33	2201	5.14%	0.291	2.88	61	84	106	12	8	60%	98.37
7	95.19	54.10	6.33	2200	3.96%	0.284	2.95	60	86	106	12	9	66%	98.34
8	94.28	44.98	7.55	2199	3.18%	0.288	2.91	59	86	107	12	9	66%	98.34
9	93.81	38.02	8.88	2199	2.66%	0.290	2.89	59	86	106	12	9	66%	98.34
10	93.98	32.67	10.36	2199	2.31%	0.289	2.90	60	86	107	12	9	66%	98.34
11	94.57	27.69	12.30	2202	2.13%	0.288	2.91	59	86	106	12	9	66%	98.34
12	92.11	23.02	14.40	2197	1.77%	0.296	2.84	59	86	106	12	9	66%	98.34

OECD Drawbar Data (US)

Date of tests:	02-May-94	Fuel density:	6.994 lb/gal
Type of track:	Concrete	Test number:	1677

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel humidity	Bar Pr.
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		in Hg
I. Maximum Power (ballasted, 4wd at 2200 rev/min)						Tire pressure:		20 psig, rear		22 psig, front		Drawbar height:		22.0 in
4	112.46	19412	2.17	2205	13.90%	0.533	13.11	141	186	221	52	46	65%	29.05
5	122.91	16613	2.77	2199	6.61%	0.486	14.38	141	185	222	52	46	65%	29.05
6	125.06	14169	3.31	2201	5.14%	0.478	14.63	141	184	223	53	46	60%	29.05
7	127.65	12162	3.94	2200	3.96%	0.467	14.97	141	186	223	54	48	66%	29.04
8	126.43	10113	4.69	2199	3.18%	0.474	14.76	139	188	225	54	48	66%	29.04
9	125.80	8547	5.52	2199	2.66%	0.477	14.66	138	188	224	54	48	66%	29.04
10	126.03	7344	6.44	2199	2.31%	0.475	14.74	140	186	225	54	48	66%	29.04
11	126.82	6225	7.64	2202	2.13%	0.474	14.76	138	187	223	54	48	66%	29.04
12	123.53	5176	8.95	2197	1.77%	0.486	14.40	138	187	223	54	48	66%	29.04

OPTIONAL TEST - Lift performance with additional cylinder

2.2 POWER LIFT TEST. Cat III, with boost cylinder
(for settings see p. 8)
Date of test: 10 May 1994

		Hitch points	Frame
Lower hitch points above ground - down position:	[mm]	231	152
Vertical movement:			
without load:	[mm]	743	970
with load:	[mm]	711	922
Maximum corrected force through full range:	[kN]	44.9	31.0
Corresponding pressure:	[kPa]	13962	
Moment about rear axle:	[kN.m]	51.6	54.5
Maximum mast tilt angle:	[deg]	--	12.5

Lifting height relative to horizontal position of lower links.

[mm]	470	-391	-297	-198	-97	3
Corrected lift forces						
Hitch point [kN]	--	44.9	49.5	53.7	58.7	62.7
at frame [kN]	31.0	32.8	35.1	--	37.0	38.2

Lifting height relative to horizontal position of lower links.

[mm]	102	201	302	320	422	452
Corrected lift forces						
Hitch point [kN]	66.4	69.5	75.4	73.4	--	--
at frame [kN]	39.1	--	38.1	--	38.0	32.8

REPAIRS : None
REMARKS : None