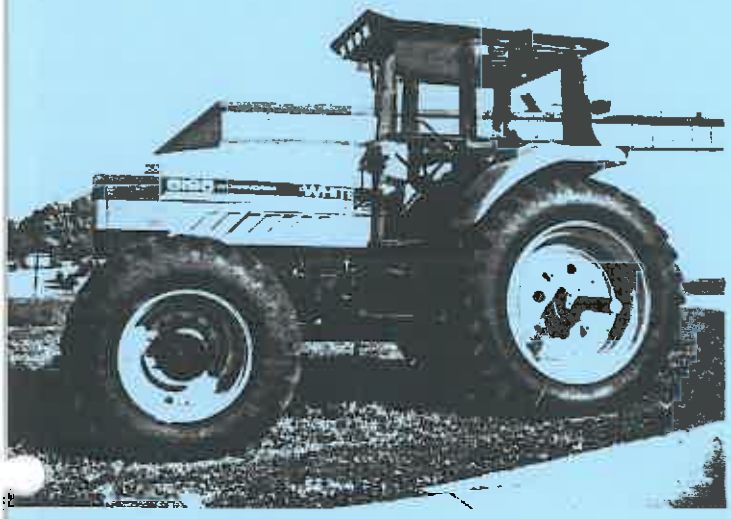
OECD APPROVAL # 1547
(Restricted code)
Date of approval: 16 February, 1995

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 6195 MFWD

MANUFACTURED BY: AGCO Corporation
Duluth, Georgia 30136
USA

NEBRASKA TEST NO. 1686
Test dates: 21 till 27 October, 1994

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 - Annex II, Restricted Code.

This report has been approved by the OECD Coordinating Centre in Paris (CEMAGREF) on 16 February, 1995

WHITE 6195 MFWD OECD # 1547

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

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SPECIFICATIONS OF TRACTOR.

Manufacturers name/address	AGCO Corporation Duluth, 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	112 hours
Location of Test	Tractor Testing Laboratory Lincoln, Nebraska,USA.

TRACTOR SPECIFICATIONS.

Make	WHITE
Model	6195
Type	Unit construction;Mechanical Front Wheel Drive (MFWD)
Number of driving wheels	2 front, 2 or 4 rear
Serial Number	681030PL
1st Serial number	660001

ENGINE.

Make	Cummins
Model	6CT8.3A
Type	Diesel; 4-stroke; turbocharged; intercooled; direct injection
Serial Number	45015028
Cylinders	
Number/Disposition	6, in line vertical
Bore/stroke	114 mm x 135 mm
Capacity	8270 cm^3
Compression Ratio	16.5:1
Arrangement of valves	In head, 2 per cylinder
Cylinder liners	Yes
Super charging	
Make/Model/Type	Holset/3919199/HLE Exhaust gas driven
Pressure	115 kPa
Fuel System	
Feed system	Two tanks with engine mounted transfer pump
Make/Type/Model of filters	Metal screen in tank; Spin-on 74394407 AGCO primary filter; spin on DAVCO paper element secondary
Fuel tank capacity	367 l

Make/Model/Type Injection Pump	Bosch/PES-6A-100D-320/ 120RS1137-1
Pump Serial number	464R 02502 50725
Production setting of pump Flow Rate (Rated Eng.Spd & Full Load)	34.6 to 40.3 kg/h
Make/Model/Type Injectors	Bosch/DLLA/multi-hole
Injection pressure	431 kPa
Timing	22 +/- 2° before TDC
Governor	
Make/Model/Type	Bosch/RSV-1100A/Mechanical
Governed engine speed range	800-2480 rpm
Rated engine speed	2200 rpm
High-idle speed range	2380 - 2480 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	Under hood, left side, front of engine compartment
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	Water-to-oil heat exchanger
Cooling system.	
Type of coolant	Water + Ethylene Glycol
Type of pump	Centrifugal
Fan specification	Steel; 70.6 mm pitch
Number of fan blades	8
Fan diameter	635 mm
Coolant system capacity	25 liter
Type of temperature control	2 thermostats
Superpressure system	48 kPa radiator cap
Starting system.	
Make/Model/Type of starter	DELCO/37MT/Type 300/Solenoid engaged
Power Rating	4.48 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/24524A/Reactive
Location	Under hood; above 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/5052C/Central drive input
Differential lock	None

Gear ratios and travel speeds.
(Tire dynamic radius of 945 mm)

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	2.686
2	246.8	3.175
3	210.9	3.714
4	184.1	4.255
5	155.8	5.027
6	133.2	5.884
7	113.1	6.926
8	95.7	8.186
9	81.8	9.580
10	70.4	11.127
11	59.6	13.145
12	50.9	15.385
13	44.5	17.623
14	37.6	20.827
15	32.1	24.371
16	27.3	28.684
17	23.1	33.907
18	19.7	39.679
Reverse		
1 (R4)	240.5	3.257
2 (R5)	203.5	3.849
3 (R6)	173.9	4.504
4 (R7)	151.8	5.159
5 (R8)	128.5	6.098
6 (R9)	109.8	7.136
7 (R10)	93.3	8.400
8 (R11)	78.9	9.928
9 (R12)	67.4	11.621

Number of front wheel revolutions
for one rear wheel revolution: 1.2953

POWER - TAKE - OFF.

Main Power-Take-Off.

Type	Independent
Method of engagement	Hydraulically activated multiplate wet clutch operated by lever
Number of shafts	One
Method of changing speeds	Not applicable

Standard PTO. 1000 rev/min.

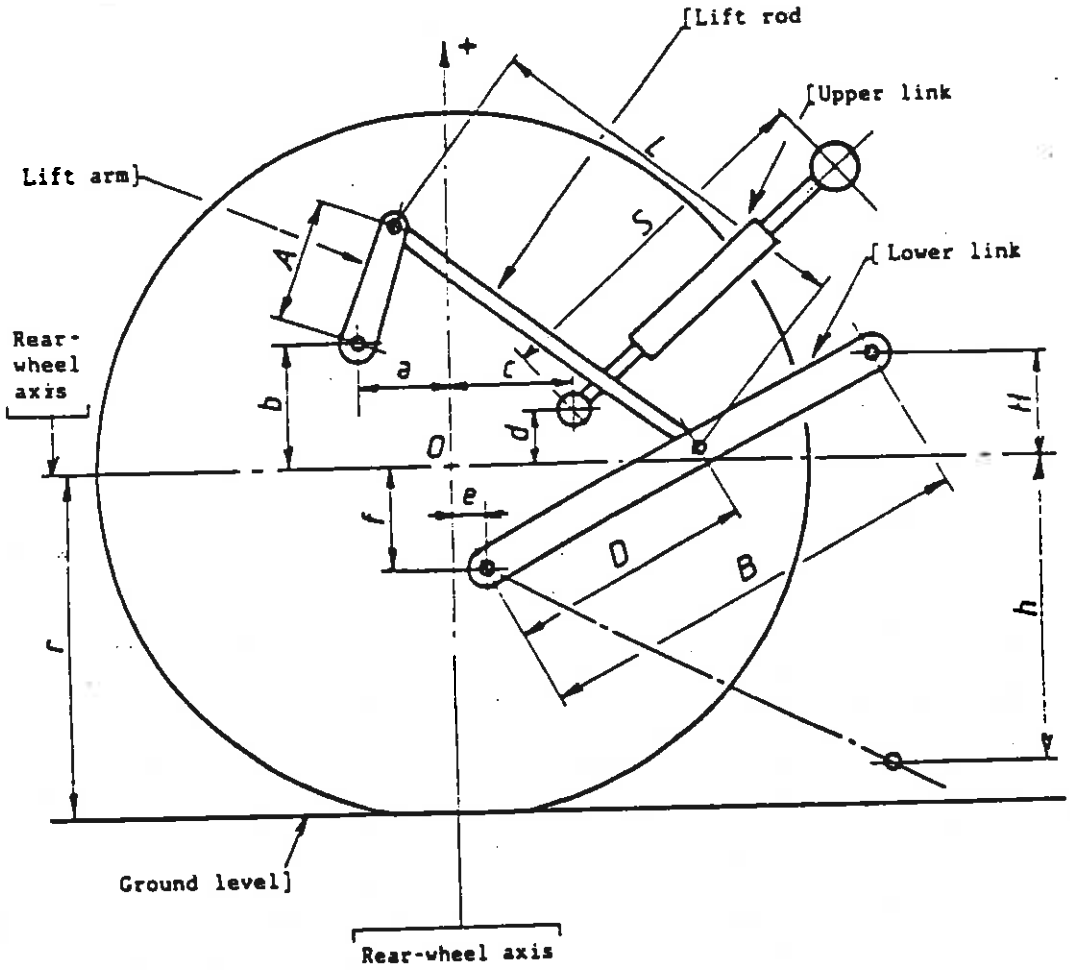
Location	Rear of tractor; vertical center plane
Diameter of shaft	44.5 mm (ISO 500/1991)
Number of splines	20
Height above ground	851 mm
Distance from median plane of tractor	0 mm
Distance behind rear axle	546 mm
PTO Speed at rated engine spd	1056 rpm
Engine speed at Std. PTO spd	2083 rpm
Engine speed/PTO speed ratio	2.083:1
Power restriction	None
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; One external; 38.1x292.1 mm bore x stroke
Type of linkage lock for transport	Hydraulic; on lift lever
Relief valve pressure setting	16.89 -17,58 MPa
Opening pressure of cylinder safety valve	19.58 -20.41 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



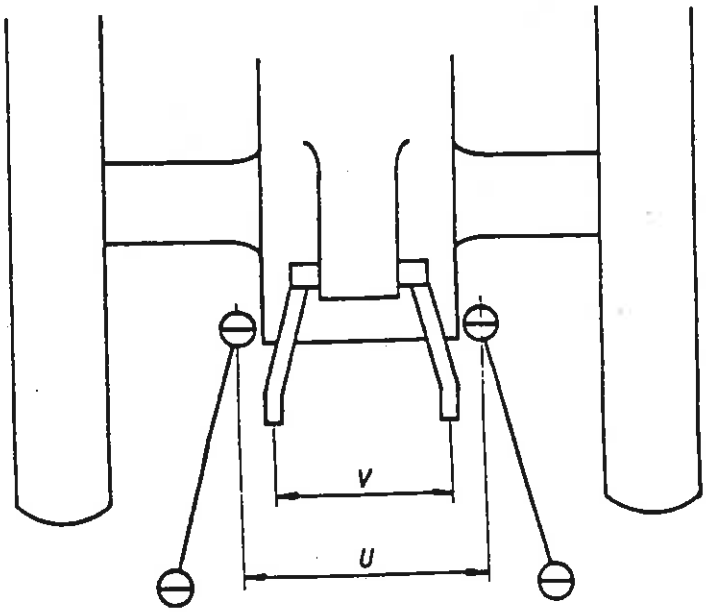


Table 1.1 -*Linkage geometry dimensions.

		Dimension or range [mm]	Settings used on test [mm]
Lift category		III	III
Rear Tire - Radius Index	(r)	945	889
Front Tire - Radius Index	(r')	695	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	641
	to	761	
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	983
	to	1008	
Height of lower hitch points relative to rear wheel axis			
In low position	(h)	705	676
In high position	(H)	157	67
Height above ground of lower hitch points when locked in transport position.		1004	956
	to	1195	

*Assuming (r) with a tire dynamic index of 945 mm

SWINGING DRAWBAR.

Type	Oscillating; 76.2 mm wide; 41.3 mm thick;
Height above ground	419 mm
Adjustments	5 fixed positions side to side; 3 fore/aft positions
Distance of hitch point from rear wheel axis-horizontal	927 mm ; 978 mm; 1054 mm
Distance of hitch point from PTO shaft end: Vertical	287 mm
Horizontal	381 mm
Lateral adjustment-Right side	305 mm
Left side	305 mm
Distance of pivot point from rear wheel axis-horizontal	36 mm ahead of axle centerline
Diameter of drawbar pin hole	35 mm
Maximum vertical static permissible load(s)	Foremost position- 21.4 kN Center position - 21.7 kN Rearmost position- 21.7 kN

STEERING.

Make/Model/Type	Eaton/212-1065-001/Hydrostatic
Method of operation	Hydrostatic
Pump	Supplied from main hydraulics
Ram(s)	Two double acting
Working pressure	17.24 ± 0.34 MPa

BRAKES.

Service brake.	
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
Parking brake.	
Type	Park Lock on Transaxle input shaft
Method of operation	Mechanical; lever on right side
Trailer Brake	None

WHEELS.

Number	
Front	2 - Steering and driving
Rear	2 or 4 - Driving
Wheel base	2921 mm

Track width adjustment

	Minimum [mm]	Maximum [mm]	Adjustment method
Front	1590	2250	Adjustable rim
Rear-singles	1651	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., Duluth, Georgia,USA
OECD approval number	CSS 0239/6

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	1422	149 x 98.5	229
Rear lights	2571	146 x 90.5	762
Rear reflectors	2342	63.5x 189	762

TEST CONDITIONS.

Overall dimensions.

Length		4895 mm - unballasted 5205 mm - ballasted
Width	Minimum	2935 mm
	Maximum	3556 mm
Height - Top protective structure		3167 mm
- Top of exhaust		3107 mm
Ground clearance. (unballasted)		460 mm
Clearance-limiting part		Three-point sway brackets

Tractor Mass (with cab,full fuel tank).

		without driver [kg]	with driver [kg]
Unballasted	Front	3070	3080
	Rear	5402	5467
	Total	8472	8547
Ballasted	Front	3936	3946
	Rear	6956	7021
	Total	10892	10967

Ballast.

	Number of weights	Mass (total) [kg]	Water [kg]
Front	15	650	--
Rear	--	--	665
Duals	yes	1105	--
Additional test equipment	--	45	-

Tire Specifications.

	Front Wheels	Rear Wheels
Make	Armstrong	Armstrong
Dimensions	16.9R30	18.4R46
Ply rating	2 Star (8-10 P.R.)	3 star (8-10 P.R.)
Type	Radial	Radial
Max.load (tire manufacturer)	2309 kg	3886 kg
Max.load(tractor manufacturer)	2309 kg	3886 kg
Inflation pressure (tire mfr)-max	165 kPa	207 kPa
-min	83 kPa	83 kPa
Dynamic Radius Index	695 mm	945 mm
Chosen track width	2230 mm	Inner 1570 mm Outer 3005 mm

Oils and Lubrication.

Capacity and change interval:

	Capacity litre	Oil change hours	Filter change hours
Engine (w/o filter)	23.2	250	250
Gear Box, final drive, rear axle and hydraulics	83.3	1000	1000
Front axle	10.0	1000	1000
Final drive, front	4.0	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)	0.835 kg/l at 15° C
(Drawbar test)	0.835 kg/l at 15° C
Cetane number	50.6
Viscosity	2.51 cSt at 38 ° C

COMPULSORY TESTS

1. MAIN POWER TAKE-OFF

Date: 21-Oct-94 Location: UNL Tractor Test Lab, Lincoln, NE, U.S.A.

Type of dynamometer: Eddy current, Eaton Fuel density: 0.835 kg/l

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						
162.59	2050	984	47.28	39.47	0.243	3.44
218.03			*12.49*	*87.02*	*0.399*	*17.46*
1.2 Power at Rated Engine Speed - 1 hour						
149.48	2200	1056	45.47	37.96	0.254	3.29
200.46			*12.01*	*83.68*	*0.417*	*16.69*
1.3 Power at Standard Power Take-Off Speed - 1 hour						
159.24	2084	1000	46.83	39.10	0.245	3.40
213.54			*12.37*	*86.19*	*0.404*	*17.26*
1.4 Part Loads						
1.4.1 Torque at maximum power at rated engine speed						
149.48	2200	1056	45.47	37.96	0.254	3.29
200.46			*12.01*	*83.68*	*0.417*	*16.69*
1.4.2 85% of torque obtained in 1.4.1						
131.15	2268	1088	41.24	34.43	0.263	3.18
175.87			*10.89*	*75.90*	*0.432*	*16.14*
1.4.3 75% of torque defined in 1.4.2						
99.80	2299	1103	34.72	28.98	0.290	2.87
133.83			*9.17*	*63.90*	*0.477*	*14.59*
1.4.4 50% of torque defined in 1.4.2						
67.93	2336	1121	27.87	23.27	0.343	2.44
91.10			*7.36*	*51.30*	*0.563*	*12.37*
1.4.5 25% of torque defined in 1.4.2						
34.22	2372	1138	20.86	17.42	0.509	1.64
45.89			*5.51*	*38.40*	*0.837*	*8.33*
1.4.6 unloaded						
1.44	2414	1158	14.51	12.11	8.418	0.10
1.93			*3.83*	*26.70*	*13.840*	*0.50*
1.5 Part Loads at Standard Power Take-off Speed						
1.5.1 Torque at maximum power						
159.24	2084	1000	46.83	39.10	0.245	3.40
213.54			*12.37*	*86.19*	*0.404*	*17.26*
1.5.2 85% of torque obtained in 1.5.1						
140.50	2161	1037	42.54	35.52	0.253	3.30
188.42			*11.24*	*78.30*	*0.416*	*16.77*
1.5.3 75% of torque defined in 1.5.2						
106.90	2192	1052	34.88	29.12	0.272	3.06
143.35			*9.21*	*64.20*	*0.448*	*15.56*
1.5.4 50% of torque defined in 1.5.2						
72.68	2234	1072	27.87	23.27	0.320	2.61
97.46			*7.36*	*51.30*	*0.526*	*13.24*
1.5.5 25% of torque defined in 1.5.2						
36.76	2263	1086	20.21	16.87	0.459	1.82
49.30			*5.34*	*37.20*	*0.755*	*9.23*
1.5.6 unloaded						
1.25	2296	1102	13.04	10.89	8.699	0.10
1.68			*3.44*	*24.00*	*14.301*	*0.49*

No load maximum engine speed:	2414 rev/min	
Equivalent torque at rated speed:	649 N.m	*479 lb-ft*
Equivalent torque at maximum power:	757 N.m	*559 lb-ft*
(engine speed:	2050 rev/min)	
Maximum equivalent crankshaft torque:	868 N.m	*640 lb-ft*
(engine speed:	1601 rev/min)	
Mean Dry bulb:	26 deg C	*79 deg F*
Wet bulb:	19 deg C	*66 deg F*
Relative humidity:	51 %	
Pressure:	97.07 kPa	*28.66 in Hg*
Maximum Coolant:	89 deg C	*193 deg F*
Engine oil:	112 deg C	*234 deg F*
Fuel:	64 deg C	*147 deg F*
Air intake:	29 deg C	*84 deg F*
Transmission/hydraulic oil:	84 deg C	*184 deg F*
Intake manifold pressure at rated speed:	110 kPa	*16.0 psig*
Intake manifold pressure at maximum power:	117 kPa	*17.0 psig*

Hydraulic Power Test

Date of test: 27–Oct–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:

17.44 MPa
2530 psi

II. Pump delivery rate at minimum pressure and rated engine speed:

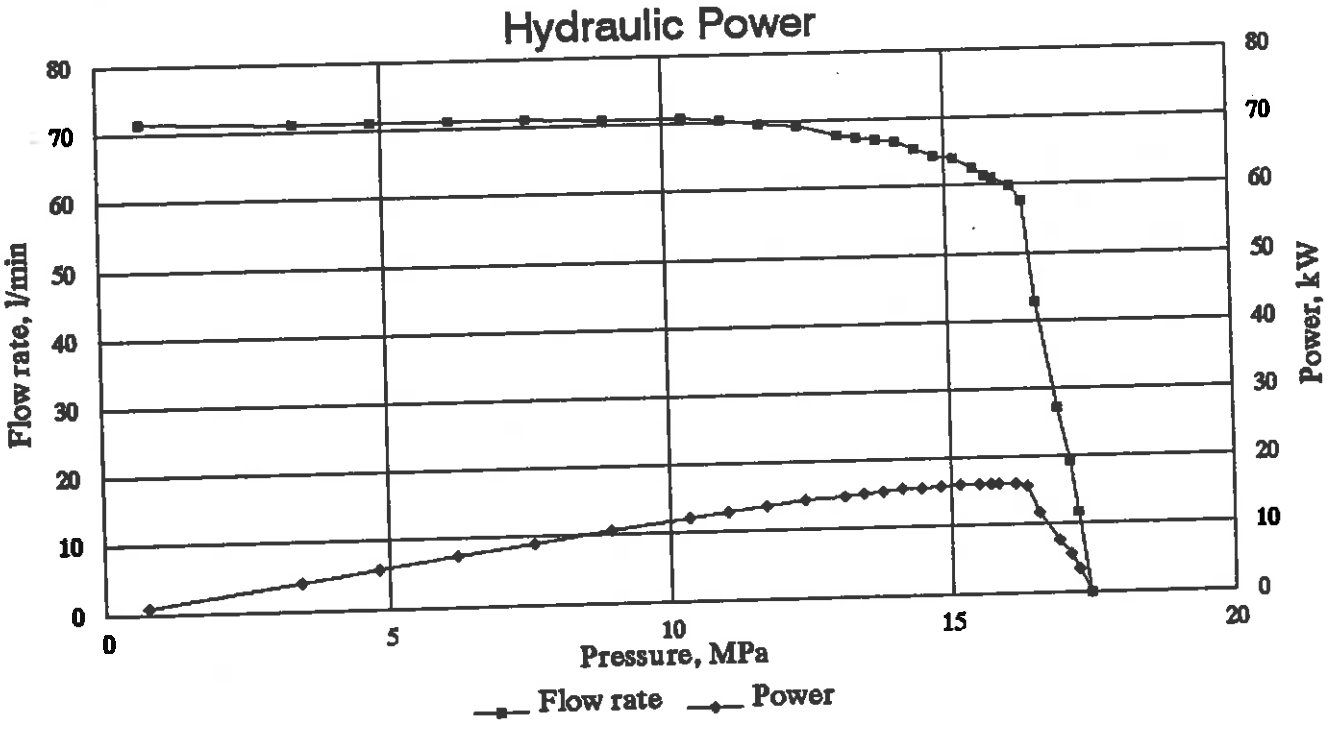
71.5 l/min
18.9 gpm

III. Flow rate, pressure, power:

90% of relief valve setting:					
	61.3 l/min	15.72	MPa	16.07	kW
	16.2 gpm	*2280*	*psi*	*21.55*	*hp*
Maximum hydraulic power:					
	64.0 l/min	15.17	MPa	16.18	kW
	16.9 gpm	*2200*	*psi*	*21.69*	*hp*

IV. Hydraulic fluid temperature at flow meter:

64 C
147 F



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/in]	213/8.4	142/5.6
Vertical movement: without load:	[mm/in]	743/29.3	970/38.2
Vertical movement: with load:	[mm/in]	729/28.7	925/36.4
Maximum corrected force through full range:	[kN/lb]	53.6/12060	36.4/8172
Corresponding pressure:	[kPa/psi]	15513/2250	
Moment about rear axle:	[kN.m/lb.ft]	61.7/45476	63.9/47159
Maximum mast tilt angle:	[deg]	--	12.0

Lifting height relative to horizontal position of lower links.

	[mm]	480	-409	-297	-198	-97	3
	[in]	-18.9	-16.1	-11.7	-7.8	-3.8	0.1
Corrected lift forces							
Hitch point	[kN]	--	53.6	57.1	62.0	67.3	71.8
	[lb]	--	12060	12848	13928	15138	16137
at frame	[kN]	36.4	38.7	41.2	--	43.3	44.5
	[lb]	8172	8694	9261	--	9738	9999

Lifting height relative to horizontal position of lower links.

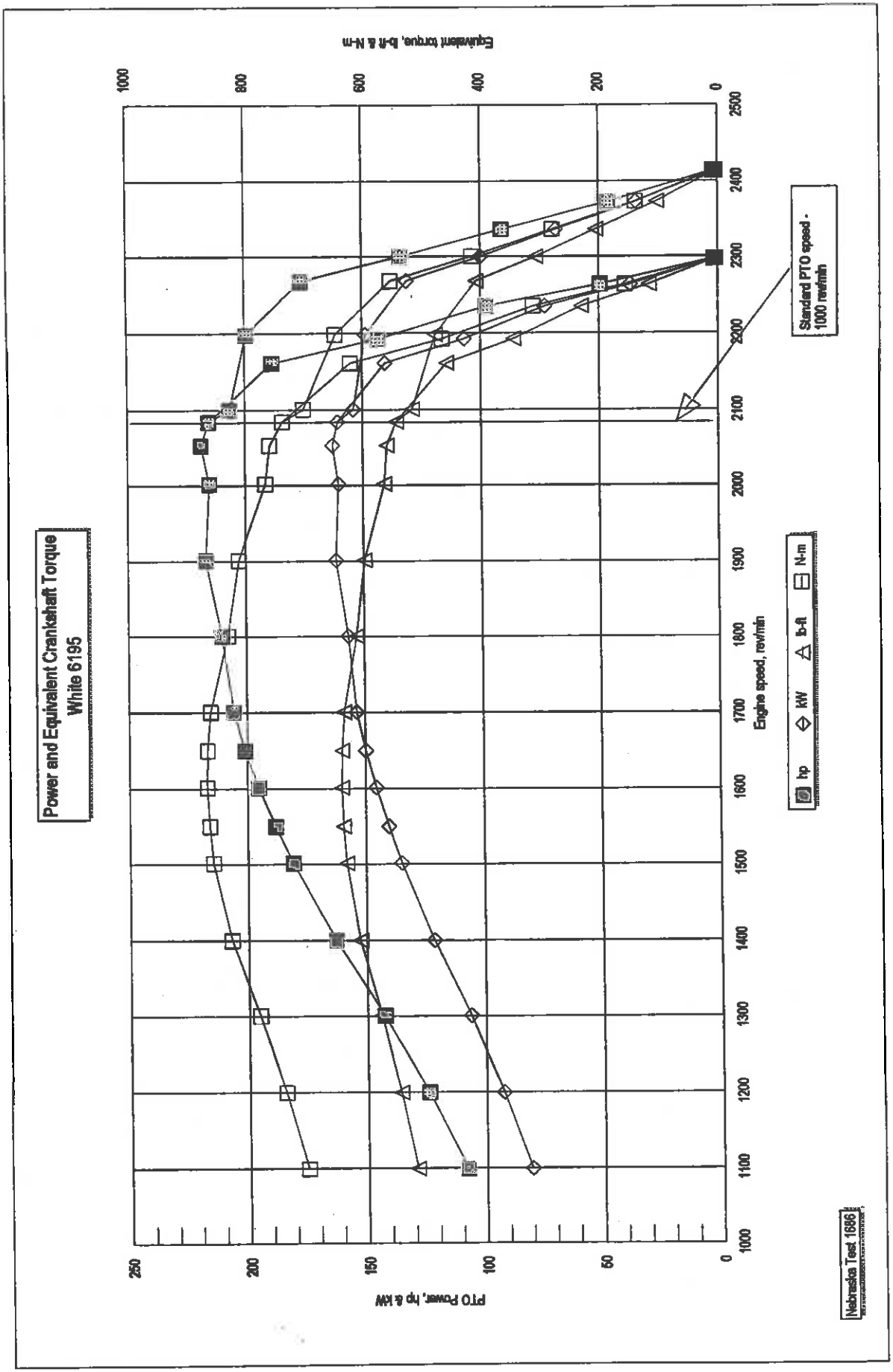
	[mm]	102	201	302	320	422	445
	[in]	4.0	7.9	11.9	12.6	16.6	17.5
Corrected lift forces							
Hitch point	[kN]	76.5	80.3	80.4	80.4	--	--
	[lb]	17204	18063	18072	18072	--	--
at frame	[kN]	45.1	--	44.2	--	43.9	40.9
	[lb]	10143	--	9936	--	9869	9198

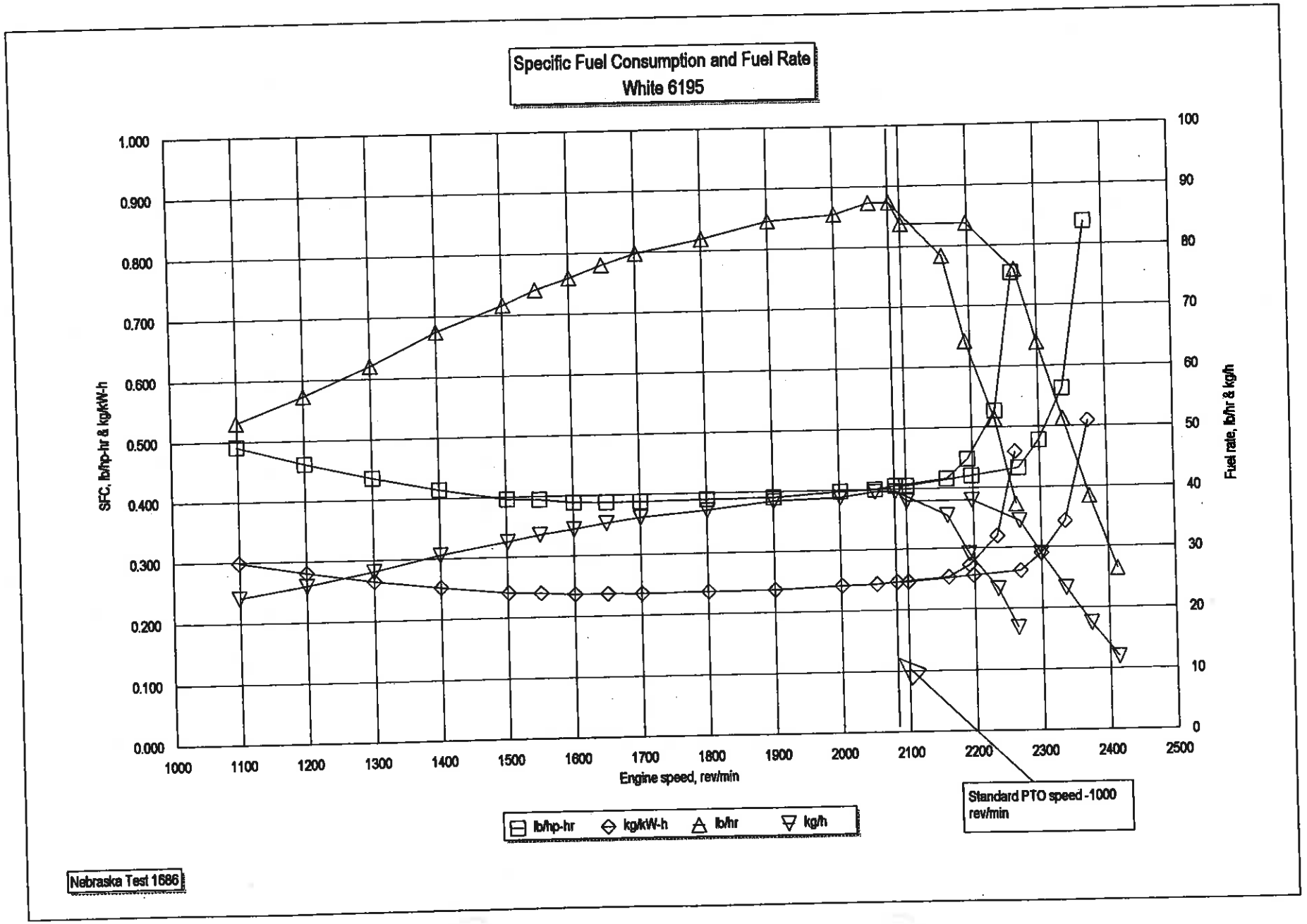
OECD Drawbar Data (SI)

Date of tests:		26-Oct-94		Fuel density:		0.835 kg/l								
Type of track:		Concrete		Test number:		1686								
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 (unballasted, 4wd at 2050 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		406 mm
5	98.73	80.59	4.41	2260	13.90%	0.345	2.42	63	84	106	10	6	52%	98.61
6	115.32	81.97	5.06	2215	13.83%	0.326	2.56	62	84	106	10	6	52%	98.61
7	128.12	77.51	5.95	2107	9.55%	0.297	2.81	63	85	108	13	7	42%	98.61
8	137.83	69.80	7.11	2052	6.19%	0.286	2.92	62	86	108	13	7	42%	98.61
9	137.64	58.41	8.48	2050	4.29%	0.282	2.96	62	86	108	13	7	42%	98.61
10	140.96	51.09	9.93	2050	3.48%	0.278	3.00	61	86	109	13	7	42%	98.61
11	141.92	43.25	11.81	2049	2.76%	0.276	3.02	59	86	109	16	9	42%	98.61
12	140.20	36.29	13.91	2050	2.30%	0.278	3.01	59	86	110	16	9	42%	98.61
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	130.28	36.92	12.70	2193	2.39%	0.292	2.86	60	86	109	16	9	42%	98.61
II.1.1 75% of pull at maximum power at rated speed														
11	102.02	27.70	13.26	2274	1.84%	0.317	2.63	59	85	106	17	10	44%	98.61
II.1.2 50% of pull at maximum power at rated speed														
11	69.95	18.55	13.58	2315	1.18%	0.375	2.22	59	84	106	18	11	45%	98.31
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	101.79	27.66	13.25	1695	1.65%	0.279	2.99	56	84	108	18	11	45%	98.31
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	69.97	18.55	13.58	1727	1.09%	0.312	2.68	56	84	106	18	12	46%	98.24
II.2 in selected gear nearest to 7.5 km/h at rated speed														
8	128.24	59.35	7.78	2201	4.29%	0.294	2.84	63	85	108	13	7	42%	98.61
II.2.1 75% of pull at maximum power at rated speed														
8	100.82	44.53	8.15	2273	2.94%	0.320	2.61	60	85	106	17	10	44%	98.61
II.2.2 50% of pull at maximum power at rated speed														
8	69.17	29.65	8.40	2316	1.84%	0.374	2.23	59	84	106	17	10	44%	98.61
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	100.88	44.57	8.15	1672	2.85%	0.278	3.01	57	84	106	17	10	44%	98.61
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	69.26	29.71	8.39	1703	1.84%	0.305	2.74	56	84	105	17	10	44%	98.61

OECD Drawbar Data (US)

Date of tests:		26-Oct-94		Fuel density:		6.967 lb/gal								
Type of track:		Concrete		Test number:		1686								
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 (unballasted, 4wd at 2050 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		16.0 in
5	132.40	18118	2.74	2260	13.90%	0.567	12.28	146	184	224	50	42	52%	29.12
6	154.65	18427	3.15	2215	13.83%	0.536	12.99	144	184	223	50	42	52%	29.12
7	171.81	17426	3.70	2107	9.55%	0.489	14.26	145	186	226	56	45	42%	29.12
8	184.83	15692	4.42	2052	6.19%	0.469	14.84	143	186	227	56	45	42%	29.12
9	184.58	13131	5.27	2050	4.29%	0.463	15.05	143	186	227	56	45	42%	29.12
10	189.03	11485	6.17	2050	3.48%	0.457	15.25	141	187	228	56	45	42%	29.12
11	190.32	9723	7.34	2049	2.76%	0.454	15.34	138	186	228	60	48	42%	29.12
12	188.02	8158	8.64	2050	2.30%	0.456	15.27	138	187	230	60	48	42%	29.12
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	174.70	8299	7.89	2193	2.39%	0.480	14.53	141	186	228	60	48	42%	29.12
II.1.1 75% of pull at maximum power at rated speed														
11	136.80	6227	8.24	2274	1.84%	0.521	13.36	138	185	223	62	50	44%	29.12
II.1.2 50% of pull at maximum power at rated speed														
11	93.81	4170	8.44	2315	1.18%	0.617	11.29	138	183	223	64	52	45%	29.03
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	136.50	6218	8.23	1695	1.65%	0.459	15.19	133	184	226	64	52	45%	29.03
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	93.83	4170	8.44	1727	1.09%	0.513	13.59	132	183	222	65	53	46%	29.01
II.2 in selected gear nearest to 4.6 mph at rated speed														
8	171.98	13342	4.83	2201	4.29%	0.484	14.40	145	186	227	56	45	42%	29.12
II.2.1 75% of pull at maximum power at rated speed														
8	135.20	10010	5.07	2273	2.94%	0.526	13.24	140	185	223	62	50	44%	29.12
II.2.2 50% of pull at maximum power at rated speed														
8	92.76	6667	5.22	2316	1.84%	0.615	11.33	138	184	222	62	50	44%	29.12
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	135.29	10020	5.06	1672	2.85%	0.456	15.26	134	184	222	62	50	44%	29.12
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	92.87	6679	5.21	1703	1.84%	0.501	13.91	132	183	222	62	50	44%	29.12


Power and Equivalent Crankshaft Torque
White 6195
Equivalent torque, lb-ft & N-m
1000
800
600
400
200
0
PTO Power, hp & kW
250
200
150
100
50
0
Engine speed, rev/min
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
hp
kW
lb-ft
N-m
Standard PTO speed -
1000 rev/min
Nebraska Test 1686


Specific Fuel Consumption and Fuel Rate
White 6195
SFC, lb/hp-hr & kg/kW-h
Fuel rate, lb/hr & kg/h
Engine speed, rev/min
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
100
90
80
70
60
50
40
30
20
10
0
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
lb/hp-hr
kg/kW-h
lb/hr
kg/h
Standard PTO speed -1000 rev/min
Nebraska Test 1686

Addendum Sheet for OECD Test # 1547
White 6195 MFWD (4WD)

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

Page 4:Travel Speeds: Add at bottom of Table " (*) Calculated with a tyre dynamic index of 945 mm."

Page 14: Hydraulic Power Test: This hydraulic system does not use an accumulator. Opening and closing pressures of the unloading valve could not be measured.

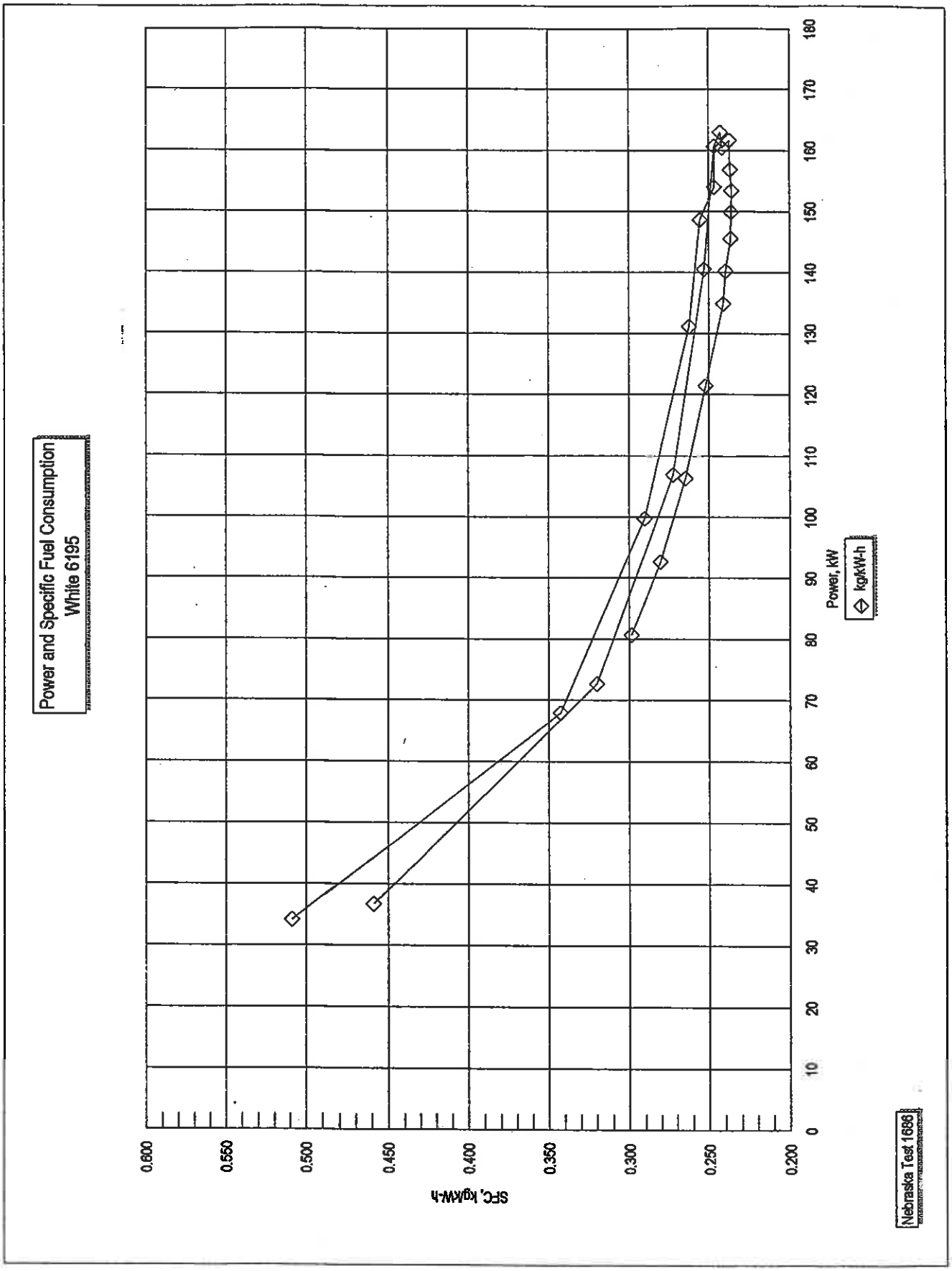
OECD APPROVAL #1547 – WHITE 6195 MFWD DIESEL

OECD Drawbar Data (SI)

Date of tests:		26-Oct-94		Fuel density:		0.835 kg/l								
Type of track:		Concrete		Test number:		1686								
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 2050 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:	406 mm	
* 5	98.73	80.59	4.41	2260	14%	0.345	2.42	63	84	106	10	6	52%	98.61
* 6	115.32	81.97	5.06	2215	14%	0.326	2.56	62	84	106	10	6	52%	98.61
7	128.12	77.51	5.95	2107	10%	0.297	2.81	63	85	108	13	7	42%	98.61
8	137.83	69.80	7.11	2052	6%	0.286	2.92	62	86	108	13	7	42%	98.61
9	137.64	58.41	8.48	2050	4%	0.282	2.96	62	86	108	13	7	42%	98.61
10	140.96	51.09	9.93	2050	3%	0.278	3.00	61	86	109	13	7	42%	98.61
11	141.92	43.25	11.81	2049	3%	0.276	3.02	59	86	109	16	9	42%	98.61
12	140.20	36.29	13.91	2050	2%	0.278	3.01	59	86	110	16	9	42%	98.61
* Note: Slip within operation conditions of test station														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	130.28	36.92	12.70	2193	2%	0.292	2.86	60	86	109	16	9	42%	98.61
II.1.1 75% of pull at maximum power at rated speed														
11	102.02	27.70	13.26	2274	2%	0.317	2.63	59	85	106	17	10	44%	98.61
II.1.2 50% of pull at maximum power at rated speed														
11	69.95	18.55	13.58	2315	1%	0.375	2.22	59	84	106	18	11	45%	98.31
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	101.79	27.66	13.25	1695	2%	0.279	2.99	56	84	108	18	11	45%	98.31
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	69.97	18.55	13.58	1727	1%	0.312	2.68	56	84	106	18	12	46%	98.24
II.2 in selected gear nearest to 7.5 km/h at rated speed														
8	128.24	59.35	7.78	2201	4%	0.294	2.84	63	85	108	13	7	42%	98.61
II.2.1 75% of pull at maximum power at rated speed														
8	100.82	44.53	8.15	2273	3%	0.320	2.61	60	85	106	17	10	44%	98.61
II.2.2 50% of pull at maximum power at rated speed														
8	69.17	29.65	8.40	2316	2%	0.374	2.23	59	84	106	17	10	44%	98.61
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	100.88	44.57	8.15	1672	3%	0.278	3.01	57	84	106	17	10	44%	98.61
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	69.26	29.71	8.39	1703	2%	0.305	2.74	56	84	105	17	10	44%	98.61

OECD Drawbar Data (US)

Date of tests:		26-Oct-94		Fuel density:		6.967 lb/gal								
Type of track:		Concrete		Test number:		1686								
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 2050 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:	16.0 in	
* 5	132.40	18118	2.74	2260	14%	0.567	12.28	146	184	224	50	42	52%	29.12
* 6	154.65	18427	3.15	2215	14%	0.536	12.99	144	184	223	50	42	52%	29.12
7	171.81	17426	3.70	2107	10%	0.489	14.26	145	186	226	56	45	42%	29.12
8	184.83	15692	4.42	2052	6%	0.469	14.84	143	186	227	56	45	42%	29.12
9	184.58	13131	5.27	2050	4%	0.463	15.05	143	186	227	56	45	42%	29.12
10	189.03	11485	6.17	2050	3%	0.457	15.25	141	187	228	56	45	42%	29.12
11	190.32	9723	7.34	2049	3%	0.454	15.34	138	186	228	60	48	42%	29.12
12	188.02	8158	8.64	2050	2%	0.456	15.27	138	187	230	60	48	42%	29.12
* Note: Slip within operation conditions of test station														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	174.70	8299	7.89	2193	2%	0.480	14.53	141	186	228	60	48	42%	29.12
II.1.1 75% of pull at maximum power at rated speed														
11	136.80	6227	8.24	2274	2%	0.521	13.36	138	185	223	62	50	44%	29.12
II.1.2 50% of pull at maximum power at rated speed														
11	93.81	4170	8.44	2315	1%	0.617	11.29	138	183	223	64	52	45%	29.03
II.1.3higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	136.50	6218	8.23	1695	2%	0.459	15.19	133	184	226	64	52	45%	29.03
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	93.83	4170	8.44	1727	1%	0.513	13.59	132	183	222	65	53	46%	29.01
II.2 in selected gear nearest to 4.6 mph at rated speed														
8	171.98	13342	4.83	2201	4%	0.484	14.40	145	186	227	56	45	42%	29.12
II.2.1 75% of pull at maximum power at rated speed														
8	135.20	10010	5.07	2273	3%	0.526	13.24	140	185	223	62	50	44%	29.12
II.2.2 50% of pull at maximum power at rated speed														
8	92.76	6667	5.22	2316	2%	0.615	11.33	138	184	222	62	50	44%	29.12
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
10	135.29	10020	5.06	1672	3%	0.456	15.26	134	184	222	62	50	44%	29.12
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
10	92.87	6679	5.21	1703	2%	0.501	13.91	132	183	222	62	50	44%	29.12


Power and Specific Fuel Consumption
White 6195
SFC, kg/kW-h
0.600
0.550
0.500
0.450
0.400
0.350
0.300
0.250
0.200
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
Power, kW
kg/kW-h
Nebraska Test 1686

OECD APPROVAL #1547 - WHITE 6195 MFWD DIESEL

Tests conducted under the responsibility of
the NEBRASKA TRACTOR TESTING LABORATORY

OPTIONAL TEST - Ballasted, Front Drive Engaged

OECD Drawbar Data (SI)

Date of tests:	24-Oct-94	Fuel density:	0.835 kg/l
Type of track:	Concrete	Test number:	1686

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel hum-	Baro. Pres
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet	idity	kPa
I. Maximum Power (ballasted, 4wd at 2050 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		432 mm
*4	116.37	108.53	3.86	2238	10%	0.319	2.62	61	84	108	10	6	57%	98.61
5	127.66	102.50	4.48	2140	8%	0.298	2.80	61	84	109	11	6	53%	98.68
6	137.28	96.99	5.10	2049	6%	0.287	2.91	60	84	108	11	6	47%	98.68
7	141.15	82.98	6.12	2050	5%	0.278	3.01	60	84	109	11	6	43%	98.71
8	141.13	69.63	7.30	2045	4%	0.277	3.01	58	85	109	12	6	44%	98.71
9	140.15	58.56	8.62	2049	3%	0.278	3.00	60	85	108	11	6	43%	98.71
10	140.95	50.42	10.06	2052	2%	0.277	3.01	59	85	108	11	6	43%	98.71
11	141.46	42.70	11.93	2050	2%	0.276	3.02	61	85	108	11	6	43%	98.71
12	137.56	35.46	13.97	2044	2%	0.281	2.97	60	86	108	11	6	43%	98.71

* Note: Slip within operation conditions of test station

OECD Drawbar Data (US)

Date of tests:	24-Oct-94	Fuel density:	6.967 lb/gal
Type of track:	Concrete	Test number:	1686

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel hum-	Baro. Pres
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet	idity	in Hg
I. Maximum Power (ballasted, 4wd at 2050 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		17.0 in
*4	156.05	24399	2.40	2238	10%	0.524	13.29	142	184	226	50	43	57%	29.12
5	171.19	23044	2.79	2140	8%	0.491	14.20	141	184	228	51	43	53%	29.14
6	184.10	21804	3.17	2049	6%	0.471	14.78	141	184	226	51	42	47%	29.14
7	189.28	18655	3.80	2050	5%	0.456	15.27	140	184	228	52	42	43%	29.15
8	189.25	15654	4.53	2045	4%	0.455	15.30	137	186	229	53	43	44%	29.15
9	187.94	13165	5.35	2049	3%	0.457	15.24	140	185	227	52	42	43%	29.15
10	189.02	11336	6.25	2052	2%	0.456	15.28	139	186	227	52	42	43%	29.15
11	189.71	9600	7.41	2050	2%	0.454	15.35	141	185	227	52	42	43%	29.15
12	184.48	7972	8.68	2044	2%	0.462	15.08	140	186	227	52	42	43%	29.15

* Note: Slip within operation conditions of test station

REPAIRS : None
REMARKS : None