OECD APPROVAL # 1544
(Restricted code)
Date of approval: 16 February, 1995

NEBRASKA TRACTOR TESTING LABORATORY
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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





AGCO ALLIS 9670 MFWD

MANUFACTURED BY: AGCO Corporation
Duluth, Georgia 30136, USA

NEBRASKA TEST NO. 1683
Test dates: 6 till 21 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

AGCO Allis 9670 MFWD OECD # 1544

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SPECIFICATIONS OF TRACTOR.

Manufacturers name/address	AGCO Corporation Duluth, Georgia 30136, 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	70 hours
Location of Test	Tractor Testing Laboratory Lincoln, Nebraska,USA.

TRACTOR SPECIFICATIONS.

Make	AGCO
Model	9670
Type	Unit construction;Mechanical Front Wheel Drive (MFWD)
Number of driving wheels	2 front, 2 or 4 rear
Serial Number	961039 PA
1st Serial number	960001 PA

ENGINE.

Make	KHD (DEUTZ)
Model	BF6L513C
Type	Diesel; 4-stroke; turbocharged; direct injection
Serial Number	8123980
Cylinders	
Number/Disposition	6, in line vertical
Bore/stroke	125 mm x 130 mm
Capacity	9570 cm^3
Compression Ratio	15.8:1
Arrangement of valves	In head, 2 per cylinder
Cylinder liners	None
Super charging	
Make/Model/Type	KRUPP/4180180/Exhaust gas driven
Pressure	85 kPa
Fuel System	
Feed system	Two tanks with engine driven transfer pump
Make/Type/Model of filters	Metal screen in tank; Spin-on KHD primary filter; spin on DAVCO paper element secondary
Fuel tank capacity	367 l
Cooling system	Air to liquid radiator

Make/Model/Type Injection	Bosch/PES6P110A-720RS5310/ In-line
Pump Serial number	4821800128
Production setting of pump Flow Rate (Rated Eng.Spd & Full Load)	34.1 - 37.7 kg/h
Make/Model/Type Injectors	Bosch/DLLA/multi-hole
Injection pressure	27.5 - 28.3 MPa
Timing	30° ± 1° before TDC
Governor	
Make/Model/Type	Bosch/RSV-1150PA/mechanical
Governed engine speed range	750-2500 rpm
Rated engine speed	2300 rpm
High-idle speed range	2450 - 2500 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, in 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	Two
Oil cooler	Air-to-oil heat exchanger
Cooling system.	
Type of coolant	Air cooled
Type of pump	Blower fan with modulated speed dependent upon engine oil or hydraulic oil temperature
Fan specification	Aluminum; 44.5 mm pitch
Number of fan blades	11
Fan diameter	610 mm
Coolant system capacity	Not applicable
Type of temperature control	Engine and hydraulic oil temperature sensors
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
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/24265A/Reactive
Location	Underhood; 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; 8 reverse with single lever control
Oil cooler	Air-Oil heat exchanger on engine
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 (after serial # 00100)	David Brown/Crown wheel and pinion/differential and in-board 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: Limited Slip Differential

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 2300 rev/min [km/h]
Forward		
1	291.7	2.808
2	246.8	3.319
3	210.9	3.883
4	184.1	4.448
5	155.8	5.256
6	133.2	6.151
7	113.1	7.241
8	95.7	8.558
9	81.8	10.015
10	70.4	11.633
11	59.6	13.743
12	50.9	16.084
13	44.5	18.424
14	37.6	21.774
15	32.1	25.479
16	27.3	29.988
17	23.1	35.448
18	19.7	41.483
Reverse		
1 (R4)	240.5	3.405
2 (R5)	203.5	4.024
3 (R6)	173.9	4.709
4 (R7)	151.8	5.394
5 (R8)	128.5	6.375
6 (R9)	109.8	7.460
7 (R10)	93.3	8.782
8 (R11)	78.9	10.379
9 (R12)	67.4	11.149

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

POWER - TAKE - OFF.

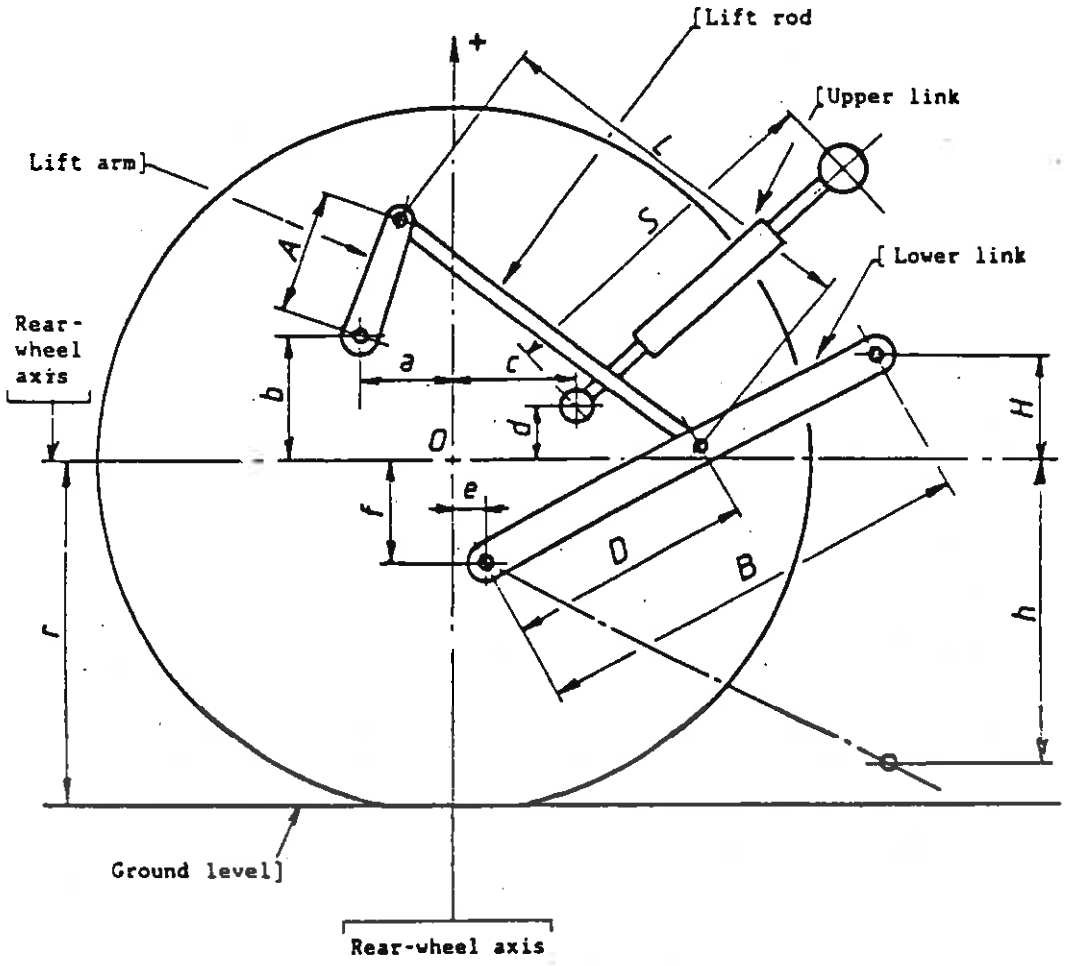
Main Power-Take-Off.	
Type	Independent
Method of engagement	Hydraulically activated multiplate wet clutch operated by hand lever
Number of shafts	One; 1000 rpm
Standard PTO. 1000 rev/min.	
Location	Rear of tractor; vertical center plane
Diameter of shaft	44.5 mm (ISO 500/1991)
Number of splines	20
Height above ground	851 mm
Distance from median plane of tractor	0 mm
Distance behind rear axle	546 mm
PTO Speed at rated engine spd	1104 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 bore x stroke	One/internal; 127 mm x 155.6 m
Optional cylinder(s) bore x stroke	One/external; 38.1 mm x 292.1 mm
Type of linkage lock for transport	Hydraulic; on lift lever
Relief valve pressure setting	16.88 to 17.57 MPa
Opening pressure of cylinder safety valve	19.57 to 20.34 MPa
Lift pump type	Axial piston;Variable positive 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



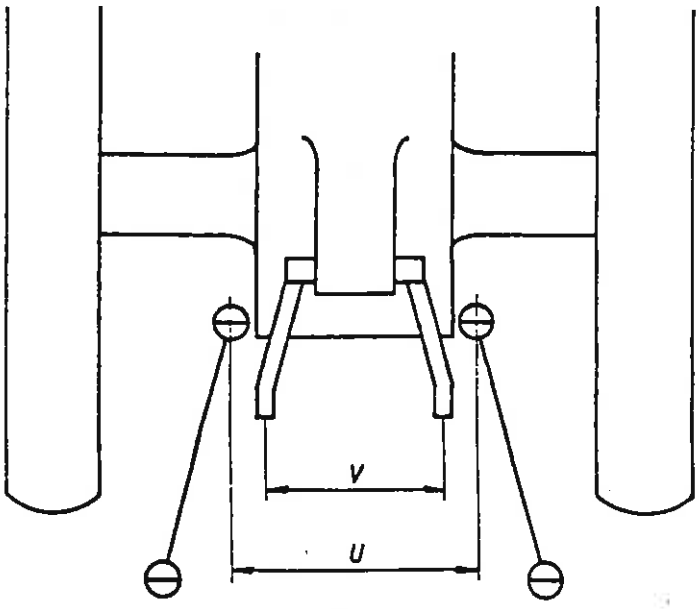


Table 1.1 -*Linkage geometry dimensions.

		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	760	
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	658
In high position	(H)	157	86
Height above ground of lower hitch points when locked in transport position.		1004	975
	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	545 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 29.83 kN Center position 25.65 kN Rearmost position 21.19 kN

STEERING.

Make/Model/Type	Eaton/212-1065-100/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/30-3145786/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 Transmission
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	2972 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 30136, USA
OECD approval number	CSS 0239/2

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	1600	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		5054 mm - unballasted 5190 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		Lower Link sway brackets

Tractor Mass (with cab,full fuel tank).

		without driver [kg]	with driver [kg]
Unballasted	Front	3432	3442
	Rear	5367	5432
	Total	8799	8874
Ballasted	Front	4036	4046
	Rear	6455	6520
	Total	10491	10566

Ballast.

	Number of weights	Mass (total) [kg]	Water [kg]
Front	10	471	--
Rear	--	--	--
Duals	yes	1105	--
Additional test equipment	yes	116	--

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)	2304 kg		3886 kg
Max.load(tractor manufacturer)	2304 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	
Final drive, front	4.0	1000	

Oil and Lubricant specifications:

	Recommended	Used during test
Engine oil	AGCO Power Lube	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	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: 10-Oct-94 Location: UNL Tractor Test Lab, Lincoln, NE, U.S.A.

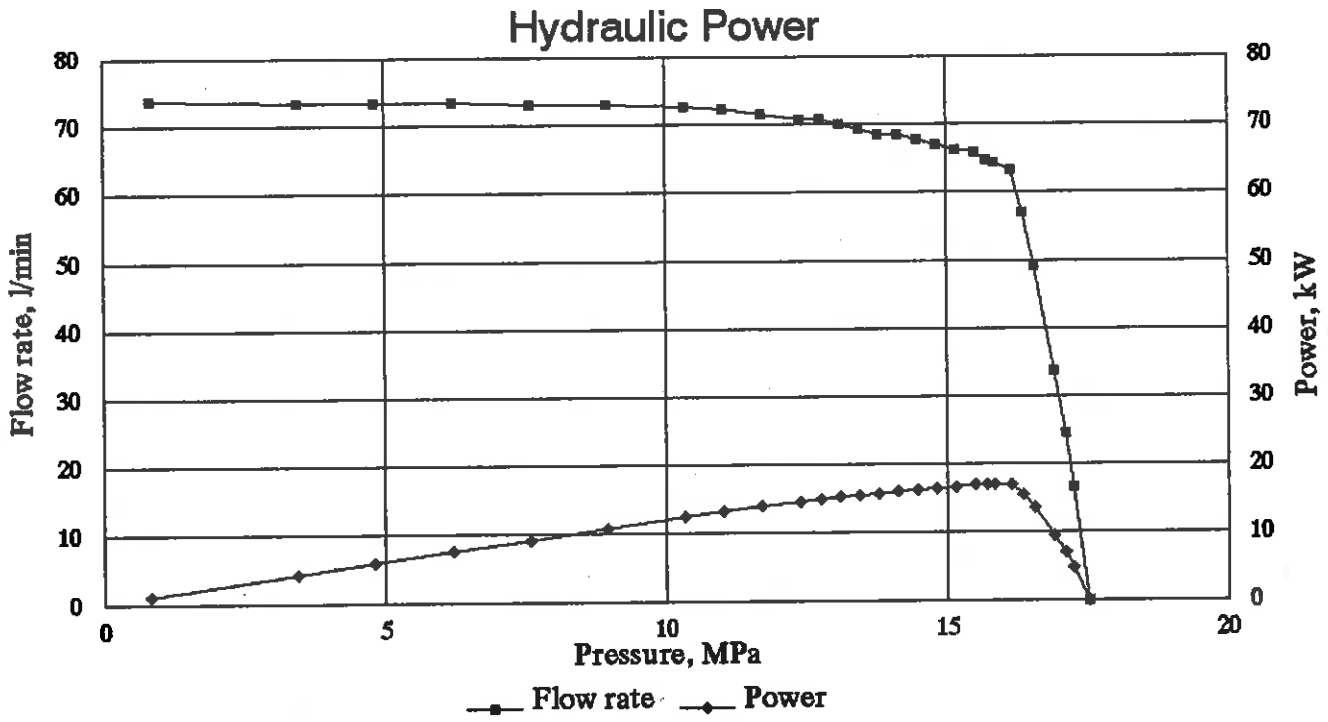
Type of dynamometer: Eddy current, Eaton Fuel density: 0.835 kg/l

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						
135.06	2086	1001	41.10	34.31	0.254	3.29
181.12			*10.86*	*75.65*	*0.418*	*16.68*
1.2 Power at Rated Engine Speed - 1 hour						
130.64	2298	1103	43.35	36.19	0.277	3.01
175.19			*11.45*	*79.78*	*0.455*	*15.30*
1.3 Power at Standard Power Take-Off Speed - 1 hour						
134.90	2086	1001	41.09	34.30	0.254	3.28
180.90			*10.85*	*75.62*	*0.418*	*16.67*
1.4 Part Loads						
1.4.1 Torque at maximum power at rated engine speed						
130.64	2298	1103	43.35	36.19	0.277	3.01
175.19			*11.45*	*79.78*	*0.455*	*15.30*
1.4.2 85% of torque obtained in 1.4.1						
113.03	2347	1127	39.61	33.07	0.293	2.85
151.57			*10.46*	*72.90*	*0.481*	*14.49*
1.4.3 75% of torque defined in 1.4.2						
86.24	2379	1142	33.74	28.17	0.327	2.56
115.65			*8.91*	*62.10*	*0.537*	*12.97*
1.4.4 50% of torque defined in 1.4.2						
58.13	2412	1157	28.04	23.41	0.403	2.07
77.95			*7.41*	*51.60*	*0.662*	*10.52*
1.4.5 25% of torque defined in 1.4.2						
29.53	2442	1172	22.01	18.37	0.622	1.34
39.60			*5.81*	*40.50*	*1.023*	*6.81*
1.4.6 unloaded						
1.05	2475	1188	15.65	13.06	12.397	0.07
1.41			*4.13*	*28.80*	*20.380*	*0.34*
1.5 Part Loads at Standard Power Take-off Speed						
1.5.1 Torque at maximum power						
134.90	2086	1001	41.09	34.30	0.254	3.28
180.90			*10.85*	*75.62*	*0.418*	*16.67*
1.5.2 85% of torque obtained in 1.5.1						
114.14	2079	998	36.35	30.35	0.266	3.14
153.06			*9.60*	*66.90*	*0.437*	*15.94*
1.5.3 75% of torque defined in 1.5.2						
87.33	2124	1019	30.32	25.31	0.290	2.88
117.11			*8.01*	*55.80*	*0.476*	*14.62*
1.5.4 50% of torque defined in 1.5.2						
59.40	2166	1039	24.45	20.41	0.344	2.43
79.66			*6.46*	*45.00*	*0.565*	*12.33*
1.5.5 25% of torque defined in 1.5.2						
30.03	2207	1059	18.75	15.65	0.521	1.60
40.27			*4.95*	*34.50*	*0.857*	*8.13*
1.5.6 unloaded						
0.84	2247	1078	13.37	11.16	13.253	0.06
1.13			*3.53*	*24.60*	*21.787*	*0.32*

No load maximum engine speed:	2475 rev/min	
Equivalent torque at rated speed:	543 N.m	*400 lb-ft*
Equivalent torque at maximum power:	618 N.m	*456 lb-ft*
(engine speed:	2086 rev/min)	
Maximum equivalent crankshaft torque:	746 N.m	*550 lb-ft*
(engine speed:	1501 rev/min)	
Mean Dry bulb:	25 deg C	*76 deg F*
Wet bulb:	18 deg C	*64 deg F*
Relative humidity:	50 %	
Pressure:	98.75 kPa	*29.16 in Hg*
Maximum Coolant:	108 deg C	*226 deg F*
Engine oil:	117 deg C	*242 deg F*
Fuel:	53 deg C	*127 deg F*
Air intake:	33 deg C	*91 deg F*
Transmission/hydraulic oil:	66 deg C	*150 deg F*
Intake manifold pressure at rated speed:	97 kPa	*14.0 psig*
Intake manifold pressure at maximum power:	97 kPa	*14.0 psig*

Hydraulic Power Test

Date of test: 11–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:					
17.51 MPa					
2540 psi					
II. Pump delivery rate at minimum pressure and rated engine speed:					
73.8 l/min					
19.5 gpm					
III. Flow rate, pressure, power:					
90% of relief valve setting:					
	64.7 l/min	15.72 MPa		16.96 kW	
	17.1 gpm	*2280 psi*		*22.75 hp*	
Maximum hydraulic power:					
	65.9 l/min	15.51 MPa		17.03 kW	
	17.4 gpm	*2250 psi*		*22.84 hp*	
IV. Hydraulic fluid temperature at flow meter:					
65 C					
149 F					



2.2 POWER LIFT TEST. Cat III

Date of test: 10 May 1994

		Hitch points	Frame
Lower hitch points above ground - down position:	[mm/in]	231/9.1	152/6.0
Vertical movement:			
without load:	[mm/in]	744/29.3	970/38.2
with load:	[mm/in]	711/28.0	912/35.9
Maximum corrected force through full range:	[kN/lb]	42.4/9540	29.4/6620
Corresponding pressure:	[kPa/psi]	15513/2250	
Moment about rear axle:	[kN.m/lb.ft]	48.8/36014	51.8/38228
Maximum mast tilt angle:	[deg]	--	12.0

Lifting height relative to horizontal position of lower links.

[mm]	-470	-391	-297	-198	-97	3
[in]	-18.5	-15.4	-11.7	-7.8	-3.8	0.1

Corrected lift forces

Hitch point.	[kN]	--	42.4	47.6	52.7	58.1	62.5
	[lb]	--	9540	10701	11853	13059	14049
at frame	[kN]	29.4	32.0	34.9	--	37.3	38.9
	[lb]	6620	7187	7857	--	8379	8735

Lifting height relative to horizontal position of lower links.

[mm]	102	201	302	320	442
[in]	4.0	7.9	11.9	12.6	17.4

Corrected lift forces

Hitch point	[kN]	66.6	70.5	77.5	76.5	--
	[lb]	14967	15840	17433	17199	--
at frame	[kN]	39.8	--	39.3	--	39.6
	[lb]	8946	--	8843	--	8892

OECD Drawbar Data (SI)

Date of tests: 14-Oct-94 Fuel density: 0.835 kg/l
Type of track: Concrete Test number: 1683

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 2085 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		419 mm
3 *	81.83	81.86	3.60	2361	9.14%	0.381	2.19	54	96	101	16	13	75%	98.31
4 *	95.01	83.40	4.10	2343	8.74%	0.364	2.30	53	95	102	14	12	84%	98.24
5	106.05	79.56	4.80	2312	8.58%	0.342	2.44	56	96	103	17	14	71%	98.34
6	111.96	74.20	5.43	2194	6.77%	0.318	2.63	56	97	104	18	14	71%	98.34
7	115.20	67.17	6.17	2085	5.06%	0.298	2.80	56	98	105	19	15	67%	98.34
8	115.03	55.94	7.40	2084	3.92%	0.299	2.79	55	98	106	19	15	67%	98.34
9	115.00	47.29	8.76	2089	3.11%	0.299	2.79	55	98	106	19	15	84%	98.34
10	117.20	41.27	10.22	2089	2.57%	0.295	2.83	54	98	105	19	15	71%	98.34
11	117.46	34.98	12.09	2081	2.20%	0.291	2.87	55	99	107	19	15	71%	98.34
12	115.64	29.22	14.25	2087	1.83%	0.297	2.81	54	99	107	19	15	67%	98.24
Note: Pull limited to avoid excessive bouncing														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	114.33	30.72	13.40	2299	1.83%	0.319	2.62	55	99	107	19	15	64%	98.21
II.1.1 75% of pull at maximum power at rated speed														
11	88.62	23.05	13.84	2363	1.27%	0.356	2.35	55	101	105	20	14	56%	98.17
II.1.2 50% of pull at maximum power at rated speed														
11	60.14	15.35	14.11	2397	0.79%	0.433	1.93	53	96	102	20	14	56%	98.17
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	88.49	22.98	13.86	1765	1.17%	0.291	2.86	53	96	103	20	14	56%	98.17
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	60.30	15.37	14.13	1791	0.79%	0.335	2.49	52	96	102	21	17	65%	98.04
II.2 in selected gear nearest to 7.5 km/h at rated speed														
7	113.52	59.35	6.89	2299	4.28%	0.321	2.60	56	97	104	18	14	67%	98.34
II.2.1 75% of pull at maximum power at rated speed														
7	88.59	44.52	7.16	2358	2.75%	0.356	2.34	55	97	104	20	14	56%	98.17
II.2.2 50% of pull at maximum power at rated speed														
7	60.49	29.58	7.36	2397	1.73%	0.426	1.96	55	97	103	20	14	56%	98.17
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
9	88.69	44.51	7.17	1707	2.93%	0.288	2.90	54	97	104	20	14	56%	98.17
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
9	60.58	29.56	7.38	1736	1.83%	0.321	2.60	54	96	102	20	14	56%	98.17

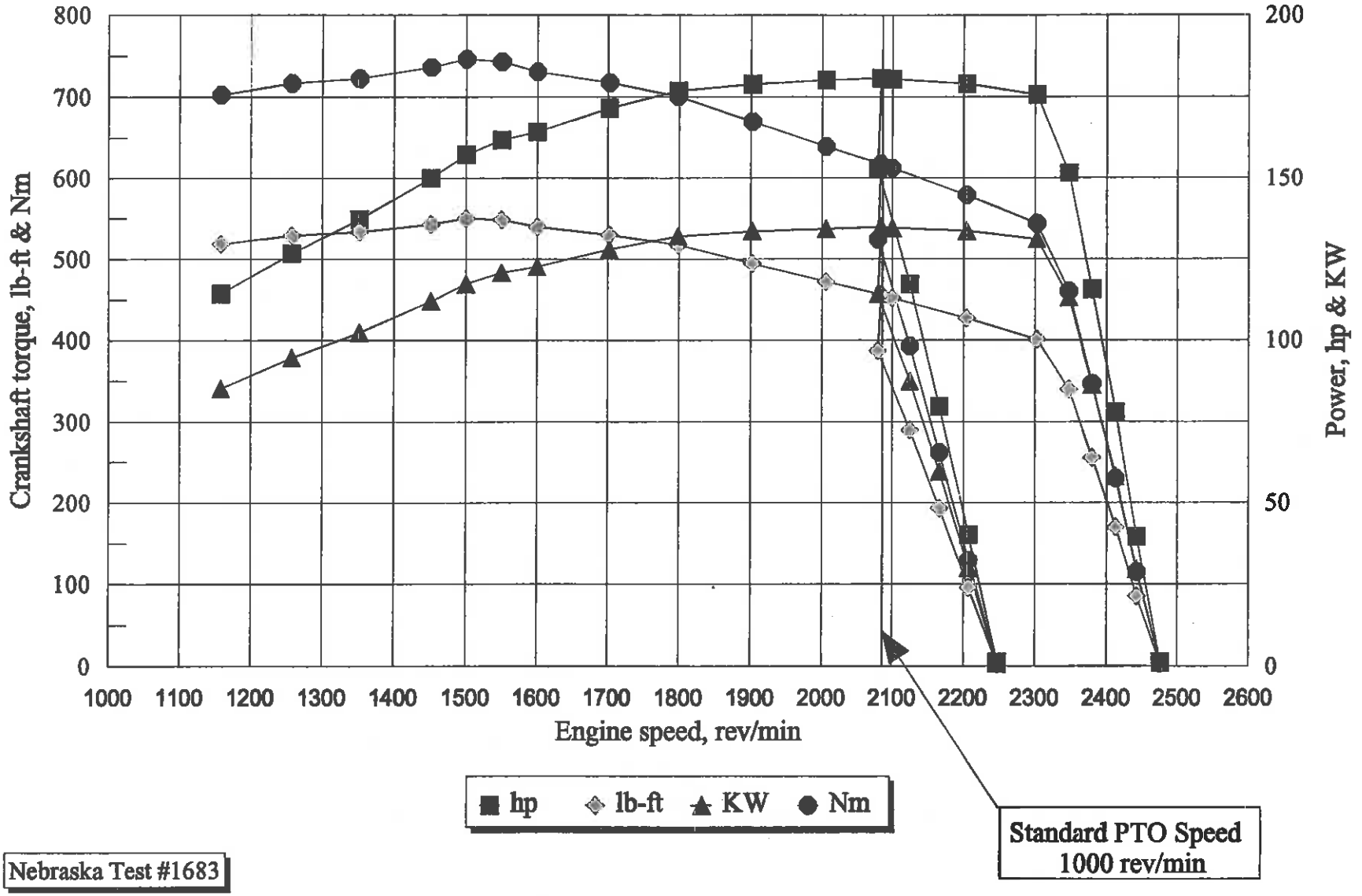
OECD Drawbar Data (US)

Date of tests: 14-Oct-94 Fuel density: 6.967 lb/gal
Type of track: Concrete Test number: 1683

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 2085 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		16.5 in
3 *	109.73	18402	2.24	2361	9.14%	0.626	11.13	130	204	215	61	56	75%	29.03
4 *	127.41	18749	2.55	2343	8.74%	0.598	11.66	128	203	216	57	54	84%	29.01
5	142.21	17886	2.98	2312	8.58%	0.562	12.39	132	206	218	63	57	71%	29.04
6	150.14	16682	3.38	2194	6.77%	0.522	13.34	132	207	219	64	58	71%	29.04
7	154.48	15100	3.84	2085	5.06%	0.490	14.21	132	208	221	66	59	67%	29.04
8	154.25	12577	4.60	2084	3.92%	0.491	14.18	131	209	222	66	59	67%	29.04
9	154.22	10631	5.44	2089	3.11%	0.492	14.17	131	209	223	66	59	84%	29.04
10	157.16	9279	6.35	2089	2.57%	0.484	14.38	129	208	221	67	59	71%	29.04
11	157.51	7864	7.51	2081	2.20%	0.478	14.56	131	210	224	67	59	71%	29.04
12	155.07	6570	8.85	2087	1.83%	0.488	14.27	130	210	224	67	59	67%	29.01
Note: Pull limited to avoid excessive bouncing														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	153.31	6907	8.32	2299	1.83%	0.525	13.28	131	210	224	67	59	64%	29.00
II.1.1 75% of pull at maximum power at rated speed														
11	118.83	5182	8.60	2363	1.27%	0.585	11.92	131	213	221	68	58	56%	28.99
II.1.2 50% of pull at maximum power at rated speed														
11	80.65	3450	8.77	2397	0.79%	0.712	9.79	128	205	216	68	58	56%	28.99
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	118.66	5166	8.61	1765	1.17%	0.479	14.54	128	205	218	68	58	56%	28.99
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	80.87	3455	8.78	1791	0.79%	0.550	12.66	126	204	215	70	62	65%	28.95
II.2 in selected gear nearest to 4.6 mph at rated speed														
7	152.23	13342	4.28	2299	4.28%	0.528	13.19	132	207	219	65	58	67%	29.04
II.2.1 75% of pull at maximum power at rated speed														
7	118.81	10010	4.45	2358	2.75%	0.586	11.90	131	207	219	68	58	56%	28.99
II.2.2 50% of pull at maximum power at rated speed														
7	81.12	6650	4.58	2397	1.73%	0.700	9.96	131	206	217	68	58	56%	28.99
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1														
9	118.93	10006	4.46	1707	2.93%	0.473	14.73	130	206	219	68	58	56%	28.99
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2														
9	81.24	6645	4.58	1736	1.83%	0.527	13.21	129	205	216	68	58	56%	28.99

Power and Equivalent Crankshaft Torque

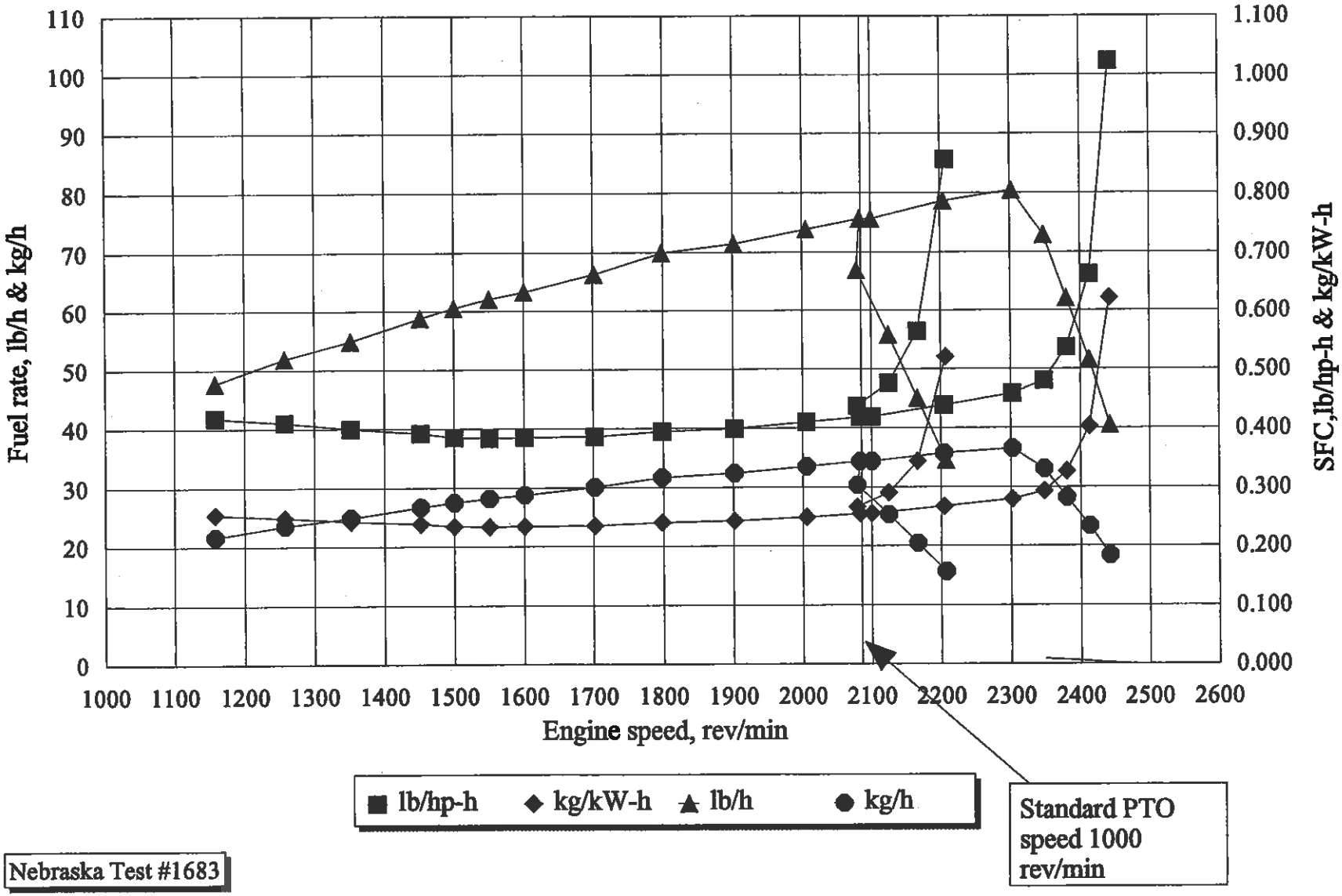
AGCO Allis 9670



Nebraska Test #1683

Specific Fuel Consumption and Fuel Rate

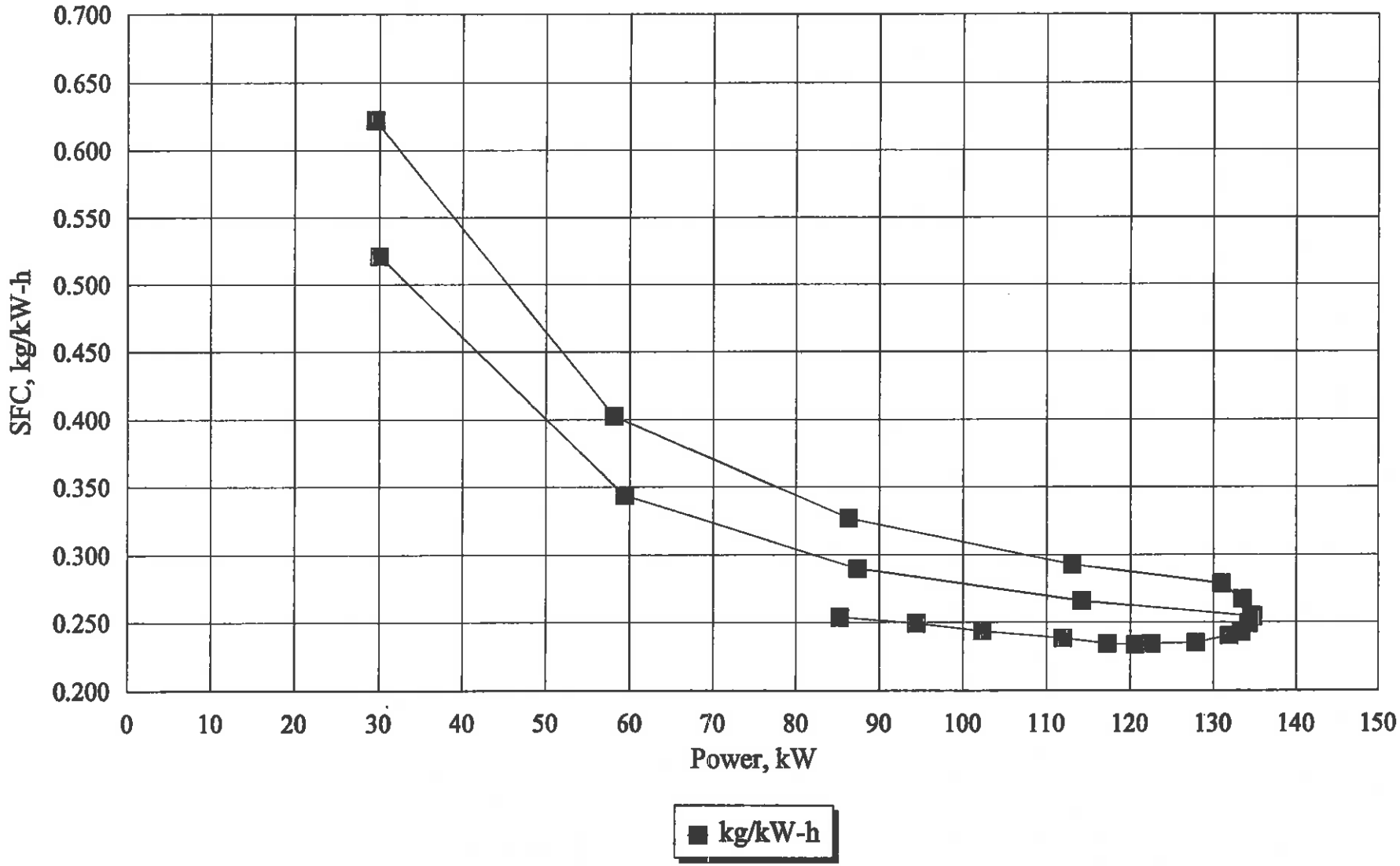
AGCO Allis 9670



Nebraska Test #1683

Power and Specific Fuel Consumption

AGCO Allis 9670



Nebraska Test #1683

OPTIONAL TESTS - Ballasted,front drive **dis**engaged
Tests conducted under the responsibility of the
NEBRASKA TRACTOR TESTING LABORATORY

OECD Drawbar Data (SI)

Date of tests:		13-Oct-94		Fuel density:		0.835 kg/l								
Type of track:		Concrete		Test number:		1683								
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 2085 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:	432 mm	
4	87.65	79.18	3.99	2354	12.54%	0.382	2.18	56	95	102	13	11	73%	98.48
5	102.35	74.74	4.93	2333	7.51%	0.347	2.41	56	96	103	15	12	74%	98.54
6	110.96	73.62	5.43	2191	7.42%	0.321	2.60	54	97	104	17	13	70%	98.54
7	114.30	65.32	6.30	2116	5.47%	0.304	2.74	54	97	105	18	13	62%	98.54
8	114.35	55.30	7.44	2085	3.97%	0.300	2.78	54	99	106	19	14	59%	98.51
9	113.67	46.62	8.78	2083	3.25%	0.301	2.77	55	98	106	19	14	59%	98.54
10	115.59	40.50	10.27	2089	2.88%	0.296	2.82	55	98	106	19	14	59%	98.54
11	115.78	34.10	12.22	2094	2.42%	0.295	2.83	54	98	106	20	15	60%	98.51
12	114.09	28.74	14.29	2084	1.86%	0.302	2.76	54	99	106	20	15	60%	98.51
II. Part loads (ballasted, 2wd)														
II.1 in selected gear at maximum power at rated speed														
8	109.73	47.78	8.27	2299	3.25%	0.329	2.54	56	99	106	19	14	59%	98.51
II.1.1 75% of pull at maximum power at rated speed														
8	85.30	35.85	8.56	2359	2.51%	0.368	2.27	54	96	103	21	16	60%	98.37
II.1.2 50% of pull at maximum power at rated speed														
8	58.37	23.93	8.78	2399	1.68%	0.443	1.88	56	96	102	21	16	60%	98.37
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
10	85.06	35.77	8.56	1735	2.42%	0.286	2.92	53	96	103	21	16	60%	98.37
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
10	58.25	23.96	8.75	1760	1.68%	0.324	2.58	53	96	102	21	16	60%	98.37

OECD Drawbar Data (US)

Date of tests:		13-Oct-94		Fuel density:		6.967 lb/gal								
Type of track:		Concrete		Test number:		1683								
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 2085 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:	17.0 in	
4	117.55	17801	2.48	2354	12.54%	0.628	11.09	132	204	215	56	51	73%	29.08
5	137.26	16802	3.06	2333	7.51%	0.570	12.21	133	205	218	59	54	74%	29.10
6	148.80	16552	3.37	2191	7.42%	0.528	13.21	129	207	220	62	56	70%	29.10
7	153.28	14684	3.91	2116	5.47%	0.500	13.93	130	207	221	64	56	62%	29.10
8	153.35	12432	4.63	2085	3.97%	0.494	14.11	129	210	224	66	57	59%	29.09
9	152.43	10480	5.45	2083	3.25%	0.495	14.07	131	208	222	66	57	59%	29.10
10	155.00	9105	6.38	2089	2.88%	0.487	14.30	130	209	223	67	58	59%	29.10
11	155.26	7665	7.60	2094	2.42%	0.486	14.35	130	209	223	68	59	60%	29.09
12	153.00	6462	8.88	2084	1.86%	0.496	14.03	129	210	223	68	59	60%	29.09
II. Part loads (ballasted, 2wd)														
II.1 in selected gear at maximum power at rated speed														
8	147.15	10742	5.14	2299	3.25%	0.540	12.90	133	210	224	66	57	59%	29.09
II.1.1 75% of pull at maximum power at rated speed														
8	114.39	8061	5.32	2359	2.51%	0.604	11.53	130	206	218	69	60	60%	29.05
II.1.2 50% of pull at maximum power at rated speed														
8	78.27	5381	5.46	2399	1.68%	0.729	9.56	134	205	216	69	60	60%	29.05
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1														
10	114.07	8042	5.32	1735	2.42%	0.470	14.82	127	205	217	69	60	60%	29.05
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2														
10	78.11	5387	5.44	1760	1.68%	0.533	13.07	128	205	215	69	60	60%	29.05

OPTIONAL TESTS - Ballasted, front drive engaged
Tests conducted under the responsibility of the
NEBRASKA TRACTOR TESTING LABORATORY

OECD Drawbar Data (SI)

Date of tests:	13-Oct-94	Fuel density:	0.835 kg/l
Type of track:	Concrete	Test number:	1683

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, 4wd at 2085 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		432 mm
3 *	104.17	105.53	3.55	2326	9.13%	0.349	2.39	56	95	101	12	9	77%	98.48
4	109.89	97.64	4.05	2258	6.84%	0.328	2.54	57	95	102	13	11	73%	98.48
5	113.47	89.99	4.54	2118	5.90%	0.305	2.73	56	96	103	14	11	73%	98.51
6	115.16	78.20	5.30	2084	4.69%	0.299	2.80	53	97	104	16	13	74%	98.54
7	116.78	66.67	6.31	2085	3.44%	0.294	2.84	54	96	104	17	13	66%	98.54
8	115.91	55.68	7.49	2080	2.90%	0.296	2.82	54	98	105	18	13	58%	98.54
9	114.75	46.76	8.84	2085	2.25%	0.298	2.80	55	98	106	19	14	59%	98.54
10	116.80	40.82	10.30	2086	2.07%	0.294	2.84	54	98	105	19	14	59%	98.54
11	117.08	34.35	12.27	2095	1.79%	0.293	2.85	54	98	106	20	15	60%	98.51
12	115.06	28.91	14.33	2086	1.42%	0.300	2.78	54	98	106	20	15	60%	98.51

Note: Pull limited to avoid excessive bouncing

OECD Drawbar Data (US)

Date of tests:	13-Oct-94	Fuel density:	6.967 lb/gal
Type of track:	Concrete	Test number:	1683

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, 4wd at 2085 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		17.0 in
3 *	139.69	23724	2.21	2326	9.13%	0.574	12.13	133	203	215	53	49	77%	29.08
4	147.37	21951	2.52	2258	6.84%	0.539	12.92	134	203	216	56	51	73%	29.08
5	152.16	20231	2.82	2118	5.90%	0.502	13.88	132	205	218	57	52	73%	29.09
6	154.43	17581	3.29	2084	4.69%	0.491	14.19	128	206	219	60	55	74%	29.10
7	156.61	14989	3.92	2085	3.44%	0.483	14.41	130	206	219	63	56	66%	29.10
8	155.44	12517	4.66	2080	2.90%	0.487	14.30	129	208	221	65	56	58%	29.10
9	153.89	10511	5.49	2085	2.25%	0.490	14.22	131	209	222	66	57	59%	29.10
10	156.63	9178	6.40	2086	2.07%	0.483	14.42	129	208	221	67	58	59%	29.10
11	157.01	7723	7.62	2095	1.79%	0.482	14.45	130	209	223	68	59	60%	29.09
12	154.30	6499	8.90	2086	1.42%	0.494	14.11	129	209	223	68	59	60%	29.09

Note: Pull limited to avoid excessive bouncing

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/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

REPAIRS : None
REMARKS : None

Addendum Sheet for OECD Test # 1544
AGCO Allis 9670 MFWD (4WD)

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

Page 4:At bottom of travel speed 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 Drawbar Data (SI)

Date of tests: 14-Oct-94 | Fuel density: 0.835 kg/l
Type of track: Concrete | Test number: 1683

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 2085 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		419 mm
3 *	81.83	81.86	3.60	2361	9%	0.381	2.19	54	96	101	16	13	75%	98.31
4 *	95.01	83.40	4.10	2343	9%	0.364	2.30	53	95	102	14	12	84%	98.24
5	106.05	79.56	4.80	2312	9%	0.342	2.44	56	96	103	17	14	71%	98.34
6	111.96	74.20	5.43	2194	7%	0.318	2.63	56	97	104	18	14	71%	98.34
7	115.20	67.17	6.17	2085	5%	0.298	2.80	56	98	105	19	15	71%	98.34
8	115.03	55.94	7.40	2084	4%	0.299	2.79	55	98	106	19	15	67%	98.34
9	115.00	47.29	8.76	2089	3%	0.299	2.79	55	98	106	19	15	67%	98.34
10	117.20	41.27	10.22	2089	3%	0.295	2.83	54	98	106	19	15	84%	98.34
11	117.46	34.98	12.09	2081	2%	0.291	2.87	55	99	105	19	15	71%	98.34
12	115.64	29.22	14.25	2087	2%	0.297	2.81	54	99	107	19	15	71%	98.34
Note: Pull limited to avoid excessive bouncing													67%	98.24
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	114.33	30.72	13.40	2299	2%	0.319	2.62	55	99	107	19	15	64%	98.21
II.1.1 75% of pull at maximum power at rated speed														
11	88.62	23.05	13.84	2363	1%	0.356	2.35	55	101	105	20	14	56%	98.17
II.1.2 50% of pull at maximum power at rated speed														
11	60.14	15.35	14.11	2397	1%	0.433	1.93	53	96	102	20	14	56%	98.17
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	88.49	22.98	13.86	1765	1%	0.291	2.86	53	96	103	20	14	56%	98.17
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	60.30	15.37	14.13	1791	1%	0.335	2.49	52	96	102	21	17	65%	98.04
II.2 in selected gear nearest to 7.5 km/h at rated speed														
7	113.52	59.35	6.89	2299	4%	0.321	2.60	56	97	104	18	14	67%	98.34
II.2.1 75% of pull at maximum power at rated speed														
7	88.59	44.52	7.16	2358	3%	0.356	2.34	55	97	104	20	14	56%	98.17
II.2.2 50% of pull at maximum power at rated speed														
7	60.49	29.58	7.36	2397	2%	0.426	1.96	55	97	103	20	14	56%	98.17
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
9	88.69	44.51	7.17	1707	3%	0.288	2.90	54	97	104	20	14	56%	98.17
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
9	60.58	29.56	7.38	1736	2%	0.321	2.60	54	96	102	20	14	56%	98.17

OECD Drawbar Data (US)

Date of tests: 14-Oct-94 | Fuel density: 6.967 lb/gal
Type of track: Concrete | Test number: 1683

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 2085 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		16.5 in
3 *	109.73	18402	2.24	2361	9%	0.626	11.13	130	204	215	61	56	75%	29.03
4 *	127.41	18749	2.55	2343	9%	0.598	11.66	128	203	216	57	54	84%	29.01
5	142.21	17886	2.98	2312	9%	0.562	12.39	132	206	218	63	57	71%	29.04
6	150.14	16682	3.38	2194	7%	0.522	13.34	132	207	219	64	58	71%	29.04
7	154.48	15100	3.84	2085	5%	0.490	14.21	132	208	221	66	59	67%	29.04
8	154.25	12577	4.60	2084	4%	0.491	14.18	131	209	222	66	59	67%	29.04
9	154.22	10631	5.44	2089	3%	0.492	14.17	131	209	223	66	59	84%	29.04
10	157.16	9279	6.35	2089	3%	0.484	14.38	129	208	221	67	59	71%	29.04
11	157.51	7864	7.51	2081	2%	0.478	14.56	131	210	224	67	59	71%	29.04
12	155.07	6570	8.85	2087	2%	0.488	14.27	130	210	224	67	59	67%	29.01
Note: Pull limited to avoid excessive bouncing														
II. Part loads (unballasted, 4wd)														
II.1 in selected gear at maximum power at rated speed														
11	153.31	6907	8.32	2299	2%	0.525	13.28	131	210	224	67	59	64%	29.00
II.1.1 75% of pull at maximum power at rated speed														
11	118.83	5182	8.60	2363	1%	0.585	11.92	131	213	221	68	58	56%	28.99
II.1.2 50% of pull at maximum power at rated speed														
11	80.65	3450	8.77	2397	1%	0.712	9.79	128	205	216	68	58	56%	28.99
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
13	118.66	5166	8.61	1765	1%	0.479	14.54	128	205	218	68	58	56%	28.99
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
13	80.87	3455	8.78	1791	1%	0.550	12.66	126	204	215	70	62	65%	28.95
II.2 in selected gear nearest to 4.6 mph at rated speed														
7	152.23	13342	4.28	2299	4%	0.528	13.19	132	207	219	65	58	67%	29.04
II.2.1 75% of pull at maximum power at rated speed														
7	118.81	10010	4.45	2358	3%	0.586	11.90	131	207	219	68	58	56%	28.99
II.2.2 50% of pull at maximum power at rated speed														
7	81.12	6650	4.58	2397	2%	0.700	9.96	131	206	217	68	58	56%	28.99
II.2.3 higher gear at reduced engine speed, same pull and travel speed as II.2.1														
9	118.93	10006	4.46	1707	3%	0.473	14.73	130	206	219	68	58	56%	28.99
II.2.4 higher gear at reduced engine speed, same pull and travel speed as II.2.2														
9	81.24	6645	4.58	1736	2%	0.527	13.21	129	205	216	68	58	56%	28.99

OECD APPROVAL #1544 - AGCO ALLIS 9670 MFWD

Tests conducted under the responsibility of
the NEBRASKA TRACTOR TESTING ALBORATORY

OPTIONAL TEST - Ballasted, Front Drive Disengaged

OECD Drawbar Data (SI)

Date of tests: 13-Oct-94 Fuel density: 0.835 kg/l
Type of track: Concrete Test number: 1683

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg C					Rel hum-	Pressure
	kW	kN	km/h	rev/min		kg/kW.h	kW.h/l	Fuel	Coolant	Oil	Dry	Wet	idity	kPa
I. Maximum Power (ballasted, 2wd at 2085 rev/min)					Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		432 mm	
*4	87.65	79.18	3.99	2354	13%	0.382	2.18	56	95	102	13	11	73%	98.48
5	102.35	74.74	4.93	2333	8%	0.347	2.41	56	96	103	15	12	74%	98.54
6	110.96	73.62	5.43	2191	7%	0.321	2.60	54	97	104	17	13	70%	98.54
7	114.30	65.32	6.30	2116	5%	0.304	2.74	54	97	105	18	13	62%	98.54
8	114.35	55.30	7.44	2085	4%	0.300	2.78	54	99	106	19	14	59%	98.51
9	113.67	46.62	8.78	2083	3%	0.301	2.77	55	98	106	19	14	59%	98.54
10	115.59	40.50	10.27	2089	3%	0.296	2.82	55	98	106	19	14	59%	98.54
11	115.78	34.10	12.22	2094	2%	0.295	2.83	54	98	106	20	15	60%	98.51
12	114.09	28.74	14.29	2084	2%	0.302	2.76	54	99	106	20	15	60%	98.51
*Note: Slip within operating conditions of test station														
II. Part loads (ballasted, 2wd)														
II.1 in selected gear at maximum power at rated speed														
8	109.73	47.78	8.27	2299	3%	0.329	2.54	56	99	106	19	14	59%	98.51
II.1.1 75% of pull at maximum power at rated speed														
8	85.30	35.85	8.56	2359	3%	0.368	2.27	54	96	103	21	16	60%	98.37
II.1.2 50% of pull at maximum power at rated speed														
8	58.37	23.93	8.78	2399	2%	0.443	1.88	56	96	102	21	16	60%	98.37
II.1.3 higher gear at reduced engine speed, same pull and travel speed as II.1.1														
10	85.06	35.77	8.56	1735	2%	0.286	2.92	53	96	103	21	16	60%	98.37
II.1.4 higher gear at reduced engine speed, same pull and travel speed as II.1.2														
10	58.25	23.96	8.75	1760	2%	0.324	2.58	53	96	102	21	16	60%	98.37

OECD Drawbar Data (US)

Date of tests: 13-Oct-94 Fuel density: 6.967 lb/gal
Type of track: Concrete Test number: 1683

Gear	Power	Pull	Speed	Engine speed	Slip	SFC	SFE	Temperature, deg F					Rel hum-	Pressure
	hp	lb	mph	rev/min		lb/hp.h	hp.h/gal	Fuel	Coolant	Oil	Dry	Wet	idity	in Hg
I. Maximum Power (ballasted, 2wd at 2085 rev/min)					Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		17.0 in	
*4	117.55	17801	2.48	2354	13%	0.628	11.09	132	204	215	56	51	73%	29.08
5	137.26	16802	3.06	2333	8%	0.570	12.21	133	205	218	59	54	74%	29.10
6	148.80	16552	3.37	2191	7%	0.528	13.21	129	207	220	62	56	70%	29.10
7	153.28	14684	3.91	2116	5%	0.500	13.93	130	207	221	64	56	62%	29.10
8	153.35	12432	4.63	2085	4%	0.494	14.11	129	210	224	66	57	59%	29.09
9	152.43	10480	5.45	2083	3%	0.495	14.07	131	208	222	66	57	59%	29.10
10	155.00	9105	6.38	2089	3%	0.487	14.30	130	209	223	67	58	59%	29.10
11	155.26	7665	7.60	2094	2%	0.486	14.35	130	209	223	68	59	60%	29.09
12	153.00	6462	8.88	2084	2%	0.496	14.03	129	210	223	68	59	60%	29.09
*Note: Slip within operating conditions of test station														
I. Part loads (ballasted, 2wd)														
I.1 in selected gear at maximum power at rated speed														
8	147.15	10742	5.14	2299	3%	0.540	12.90	133	210	224	66	57	59%	29.09
I.1.1 75% of pull at maximum power at rated speed														
8	114.39	8061	5.32	2359	3%	0.604	11.53	130	206	218	69	60	60%	29.05
I.1.2 50% of pull at maximum power at rated speed														
8	78.27	5381	5.46	2399	2%	0.729	9.56	134	205	216	69	60	60%	29.05
I.1.3 higher gear at reduced engine speed, same pull and travel speed as I.1.1														
10	114.07	8042	5.32	1735	2%	0.470	14.82	127	205	217	69	60	60%	29.05
I.1.4 higher gear at reduced engine speed, same pull and travel speed as I.1.2														
10	78.11	5387	5.44	1760	2%	0.533	13.07	128	205	215	69	60	60%	29.05

OECD APPROVAL # 1544 - AGCO ALLIS 9670 MFWD DIESEL
OPTIONAL TEST - Ballasted, Front Drive Engaged
Tests conducted under the responsibility of
the NEBRASKA TRACTOR TESTING LABORATORY

OECD Drawbar Data (SI)

Date of tests:	13-Oct-94	Fuel density:	0.835 kg/l
Type of track:	Concrete	Test number:	1683

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 2085 rev/min)						Tire pressure:		124 kPa, rear		165 kPa, front		Drawbar height:		432 mm
3 *	104.17	105.53	3.55	2326	9%	0.349	2.39	56	95	101	12	9	77%	98.48
4	109.89	97.64	4.05	2258	7%	0.328	2.54	57	95	102	13	11	73%	98.48
5	113.47	89.99	4.54	2118	6%	0.305	2.73	56	96	103	14	11	73%	98.51
6	115.16	78.20	5.30	2084	5%	0.299	2.80	53	97	104	16	13	74%	98.54
7	116.78	66.67	6.31	2085	3%	0.294	2.84	54	96	104	17	13	66%	98.54
8	115.91	55.68	7.49	2080	3%	0.296	2.82	54	98	105	18	13	58%	98.54
9	114.75	46.76	8.84	2085	2%	0.298	2.80	55	98	106	19	14	59%	98.54
10	116.80	40.82	10.30	2086	2%	0.294	2.84	54	98	105	19	14	59%	98.54
11	117.08	34.35	12.27	2095	2%	0.293	2.85	54	98	106	20	15	60%	98.51
12	115.06	28.91	14.33	2086	1%	0.300	2.78	54	98	106	20	15	60%	98.51

Note: Pull limited to avoid excessive bouncing

OECD Drawbar Data (US)

Date of tests:	13-Oct-94	Fuel density:	6.967 lb/gal
Type of track:	Concrete	Test number:	1683

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 2085 rev/min)						Tire pressure:		18 psig, rear		24 psig, front		Drawbar height:		17.0 in
3 *	139.69	23724	2.21	2326	9%	0.574	12.13	133	203	215	53	49	77%	29.08
4	147.37	21951	2.52	2258	7%	0.539	12.92	134	203	216	56	51	73%	29.08
5	152.16	20231	2.82	2118	6%	0.502	13.88	132	205	218	57	52	73%	29.09
6	154.43	17581	3.29	2084	5%	0.491	14.19	128	206	219	60	55	74%	29.10
7	156.61	14989	3.92	2085	3%	0.483	14.41	130	206	219	63	56	66%	29.10
8	155.44	12517	4.66	2080	3%	0.487	14.30	129	208	221	65	56	58%	29.10
9	153.89	10511	5.49	2085	2%	0.490	14.22	131	209	222	66	57	59%	29.10
10	156.63	9178	6.40	2086	2%	0.483	14.42	129	208	221	67	58	59%	29.10
11	157.01	7723	7.62	2095	2%	0.482	14.45	130	209	223	68	59	60%	29.09
12	154.30	6499	8.90	2086	1%	0.494	14.11	129	209	223	68	59	60%	29.09

Note: Pull limited to avoid excessive bouncing