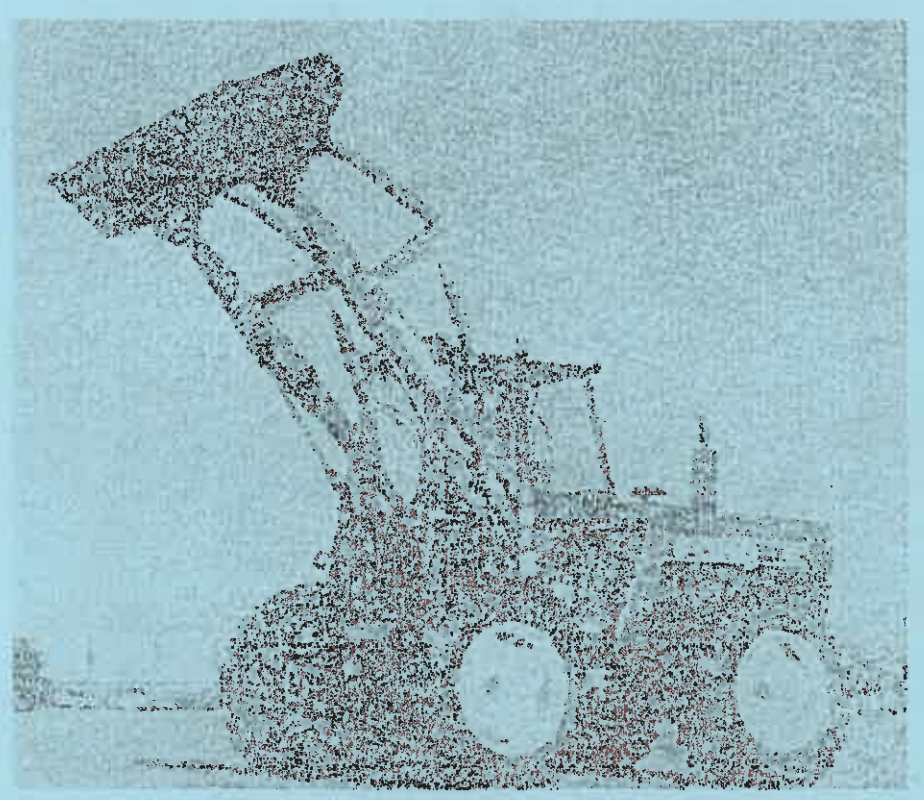
OECD No. 1251 Restricted Code
Date of Approval: June 7, 1990

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



FORD VERSATILE 276 BIDIRECTIONAL AGRICULTURAL TRACTOR (4 WD) ARTICULATED

Manufactured by: Versatile Farm Equipment Operations
Box 7300 - 1260 Clarence Avenue
Winnipeg, Manitoba
R3C 4E8 Canada

Date of Test: June, 1989

Printed in Canada

Prairie Agricultural Machinery Institute

Test Station: P.O. Box 1060
Portage la Prairie, Manitoba
CANADA R1N 3C5
Telephone: (204) 239-5445
Fax: (204) 239-7124

Head Office: P.O. Box 1900
Humboldt, Saskatchewan
CANADA S0K 2A0
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Fax: (306) 682-5080

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Test Carried Out By:

Signed:

Date: November 28, 1989

R.R Hochstein
Senior Development Engineer

Head of Test Station
for the Director

Ford Versatile 276

Manufacturer's name and address:	Versatile Farm Equipment Operations Ford New Holland Canada Ltd. Box 7300 - 1260 Clarence Ave. Winnipeg, Manitoba Canada R3C 4E8
Submitted for test by:	The manufacturer
Selected for test by:	The manufacturer with agreement of the test station.
Place of running-in:	Versatile; Winnipeg, MB
Duration of running-in:	250 hours prior to test, 50 hours during test
Location of test:	Tests carried out at the manufacturer's premises VERSATILE, Winnipeg, (Manitoba) and witnessed by R.R. HOCHSTEIN, Senior Development Engineer (P.A.M.I.- Portage La Prairie)

SPECIFICATIONS OF TRACTOR

Tractor

Make:	Ford Versatile
Model:	276
Type:	4 wheel drive, articulated, BiDirectional ™
Serial No:	276-89-D432128
First Serial No:	276-89-D432100

Engine:

Make:	Ford
Model:	BSD 444T
Type:	Diesel, turbo charged
Serial No:	36434

	Ford Versatile 276
Cylinders:	
Number and disposition:	4, in line vertical
Bore:	112 mm (4.4 in)
Stroke:	112 mm (4.4 in)
Capacity:	4392 cm^3 (268 in^3)
Compression ratio:	17 - 1
Arrangement of valves:	Overhead
Fuel system:	
Feed system:	Engine driven transfer pump (integral with injection pump)
Make, type and model of filters:	Lucas 2FSSL Sedimenter/Filter Ass'y
Tank capacity:	148 L (39 US gal)
Make, type & model of injection pump:	Lucas CAV, DPS rotary system
Injection pump serial no:	001MG
Manufacturer's production setting of injection pump:	20.4 - 21.8 kg/h (45.0 - 48.0 lb/h) 2500 rev/min engine speed, and full load 25° C (77° F) temperature, using fuel of 0.84 specific gravity at 15.6° C (60° F)
Make/type/model of injectors:	Lucas CAV, 5-Hole, LR
Injection pressure:	55.16 MPa (8000 lb/in^2)
Injection pump delivery starts:	262° static pump setting (14° BTDC dynamic timing)
Governor:	
Make and type:	Lucas CAV, mechanical, all speed/load
Governed range of engine speed:	1000 rev/min to 2725 rev/min
Rated engine speed:	2500 rev/min

Ford Versatile 276

Air cleaner:

Make and type:	Donaldson, dry with safety element and dump valve
Model:	FHG09
Position:	Cannister behind engine, intake above hood
Maintenance indicator type/model:	Restriction indicator warning light on console

Turbo charger:

Make and type:	Air Research , TA 31
Intake manifold pressure:	255 - 282 kPa (37 - 41 lb/in^2) at rated speed/full load

Lubrication system:

Type of feed and pump:	Full pressure positive displacement
Type of filter:	Full flow spin-on dual paper element
Total oil capacity including filter(s):	11 L (2.9 US gal)
Recommended oil:	SAE 10W - 30 viscosity, 9.3 cSt min at 100° C (210° F)
M.I.L. standard:	2104 C
Oil change period:	200 hours
Filter change period:	200 hours

Cooling system:

Coolant:	Liquid
Type of pump:	Centrifugal, belt driven
Fan diameter:	508 mm (20 in)
Number of fan blades:	6
Type of temperature control:	Thermostat
Coolant capacity:	24 L (6.3 US gal)
System pressure:	48.3 kPa (7 lb/in^2)

Ford Versatile 276

Starting system:	
Make, type and model:	Lucas M127
Starter motor power rating:	2.8 kW (3.75 hp) nominal rating
Safety features:	Electrical lock-out on seat base swivel,PTO and hydrostatic controls
Cold starting aid:	Immersion coolant heater and ether spray in intake manifold
Electrical system:	
Voltage:	12
Earth polarity:	Negative
Make and type of alternator:	Delco 15 SI, type 116
Output:	85 A at 2500 engine rev/min
Make and type of battery:	Varta low maintenance (1 per tractor, second battery optional)
Rating:	850 cold crank amp, 160 min reserve capacity (per SAE J537)
Exhaust system:	
Make and construction:	76 mm (3 in) diameter pipe and Donaldson muffler
Model No:	MOMO6
Dimensions of expansion chamber:	212 x 111 x 457 mm high oval (8.4 x 4.4 x 18.0 in)
Position:	Vertical at centre of hood, outlet directed to right side
Transmission To Wheels:	
Clutch:	None; direct drive to hydrostatic transmission
Gear Box:	
Make and type:	Versatile, Mechanical, manual operation
Arrangement:	3 speeds, non-synchromesh
Number of Gears:	3- forward/reverse controlled by hydrostatic transmission

Ford Versatile 276

Gear		Number of engine revolutions for one revolution of driving wheel (See note 1)	Nominal travelling speed for 2500 rev/min rated engine speed (See Note 2) km/h	(mile/h)
Forward	1	76.18	0-8.9	0-5.5
or	2	54.37	0-12.4	0-7.7
Reverse	3	23.44	0-28.9	0-17.9

NOTES:

1. Calculated for the maximum hydrostatic displacement in each gear (Full stroke).

2. Calculated with a tire dynamic radius of 660 mm (26.0 in) for 16.9 x 28 tires (ISO 4251/1-1984).

   Number of revolutions of front wheels for one revolution of rear wheels: 1.00

Hydrostatic Transmission

Make and model:	Eaton 46 H
Type:	Variable displacement pump, fixed displacement motor
Pump Displacement:	0-75 cm^3 (0-4.6 in^3)
Maximum pressure:	41.37 MPa (6000 psi)

Rear & Front Axle & Final Drives:

Make and type:	Versatile axles & drop boxes, Dana differentials
Type of differential lock and method of engagement:	Limited slip, self engaging
Driven from:	Transmission

Power-Take-Off:

Type:	Independent, wet, multiple plate
Method of Engagement:	Over-centre, manually controlled
Number of shafts/speeds & position:	One at rear of tractor in vertical centre plane, front PTO optional (540,1000 or dual speed available for both locations)

	Ford Versatile 276
Height above ground:	754 mm (29.7 in)
Distance behind rear axle:	419 mm (16.5 in)
Diameter:	34.9 mm (1.375 in) for 540 & 1000 rpm
Number of splines:	6 (540 rpm), 21 (1000 rpm) (ISO 500/1979)
Speed at rated engine speed:	551 or 1026 rpm
Engine speed at standard PTO speed:	2447 rpm (for 540 PTO rpm)
Engine/PTO speed ratio:	4.532/1 (540), 2.436/1 (1000)
Direction of rotation (viewed facing driving end):	Clockwise (for both front and rear PTO)
Power Restriction and Maximum Torque:	56 kW (75 hp), 161 Nm (119 ft·lb)

Power lift:

Type of hydraulic system:	Closed centre, load sensing
Make and type of pump:	Cessna axial piston, pressure and flow compensated
Filters:	Cannister type of oil filter, one replaceable element, cleanable suction screen inside reservoir
Nominal working pressure:	17.237 MPa (2800 lb/in^2)
Number and type of cylinders:	Two, single acting
Pump drive:	Direct drive on engine
Oil supplied from:	Hydraulic reservoir
Type, number and position of external tappings:	3 pair of ISO standard lever type couplers at rear of tractor
Reservoir oil capacity:	32 L (8.5 US gal)
Linkage category:	SAE I/II
Controls:	Position control, electrical/ hydraulic, adjustable lower rate
Maximum Volume of oil available to external cylinders:	14.8 dm^3 (3.9 US gal)

Ford Versatile 276

Three-point Linkage:

Category:	1 or 2, in conformity with ISO 730/1-1977
Category Adapter:	Reverse lower links, install alternate bushings at hitch points

Swinging Drawbar: (Cab End) NOTE: Front trailer hitch an available option

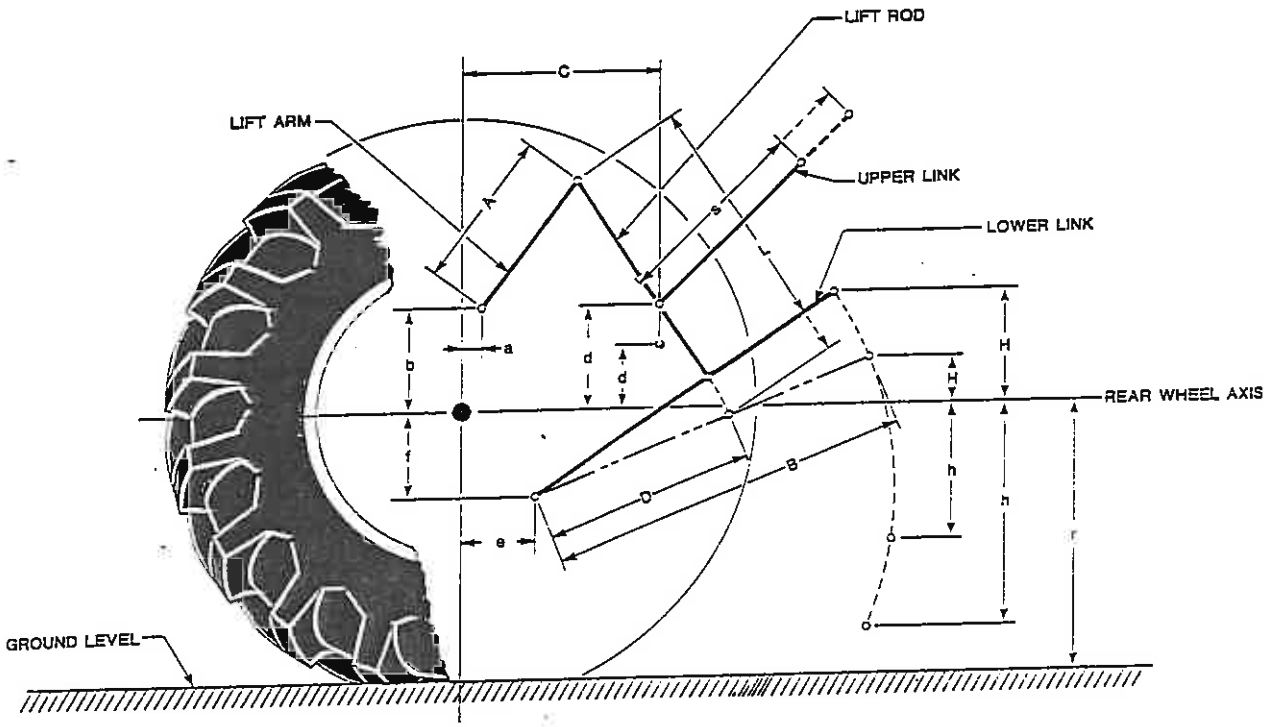
Vertical height above ground to top of drawbar:	456 mm (17.9 in)
Distance of hitch point from rear-wheel axis, horizontally:	775 mm (30.5 in) for 540 rpm PTO 830 mm (32.7 in) for 1000 rpm PTO
Distance of hitch point from power-take-off shaft end:	298 mm (11.7 in)
-Vertically	356 mm (14 in) for 540 rpm PTO
-Horizontally	406 mm (16 in) for 1000 rpm PTO
Vertical distance below PTO:	298 mm (11.7 in)

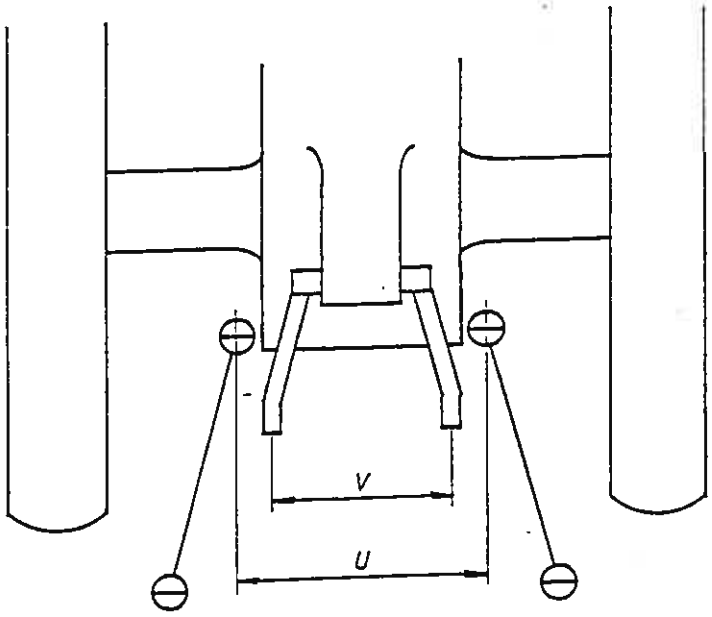
Ford Versatile 276

Lateral adjustment:	271 mm (10.7 in) left or right of centre
Distance of pivot point from rear wheel axis, horizontal:	1090 mm (43 in) forward
Drawbar pin hole diameter:	31.75 mm (1.25 in)

Ford Versatile 276

Implement Linkage:





Ford Versatile 276

Dimensions of rear implement linkage (projected lengths in mm (in)) underlined dimensions are valid for power lift measurements (page 17)

Rear tires	radius index	(r)	635	(25.0)
Front tires	radius index	(r')	635	(25.0)
Length of lift arms		(A)	315	(12.4)
Length of lower links		(B)	950	(37.4)
Dist. of lift arm pivot points from wheel centre		(a)	136	(5.3), horizontal
		(b)	500	(19.7), vertical
Horiz. distance between lower link pivot points		(u)	748	(29.4)
Horiz. distance between lift arm end points		(v)	795	(31.3)
Length of upper link		(s)	470	(18.5) to 620 (24.4)
			<u>615</u>	<u>(24.2)</u>
Distance of upper link pivot point from rear wheel centre		(c)	401	(15.8), horizontal
		(d)	400	(15.7), vertical
Distance of lower link pivot points from rear wheel centre		(e)	0	(0) horizontal
		(f)	0	(0) vertical
Distance of lower link pivot points from lift rod pivot points on lower links		(D)	550	(21.6)
Length of lift rods:		(L)	500	(19.7) to 600 (23.6)
			588	(23.1)

Height of lower link hitch points relative to rearwheel centre line (situated 635 mm (25.0) above ground)*, these data are valid for unloaded power lift:

	Lift Test mm (in)	Minimum mm (in)	Maximum mm (in)
Length of lift rods (L)	588 (23.1)	500 (19.7)	600 (23.6)
Lowest position (h)	485 (19.1)	290 (11.4)	508 (20.0)
Highest & transport position (H)	243 (9.6)	420 (16.5)	240 (9.4)

Type of transport lock: Hydraulic

(*) Assuming (r) with a tire dynamic index of 635 mm (ISO 4251/1-1984)

Ford Versatile 276

Steering:

Make and type:	Eaton hydrostatic steering control unit, operated by hand wheel
Make and type of pump:	Cessna piston pump, pressure and flow compensated
Oil supplied from:	Hydraulic reservoir
Working pressure:	15.9 MPa (2300 lb/in^2), maximum
Recommended oil:	Dexron II
MIL/API standard:	Not available
Oil change period:	1000 hours
Filter change period:	500 hours

Brakes:

Make and type:	Kelsey Hayes, caliper, dry disc
Position:	On transmission front output shaft
Method of operation:	Manual/hydraulic operated with foot pedal
Type of parking brake:	Disc
Method of operation:	Mechanical operated hand lever
Trailer braking take-off:	None

Wheels:

Number:	
Front:	2 Driving
Rear:	2 Driving
Make and size:	Goodyear, Dyna Torque, 16.9 x 28
Type:	Bias-ply, 8 ply rating
Rated maximum load at rated pressure of each tire:	1840 kg (4050 lb) at 124 kPa (18 lb/in^2)
Track width:	1610 to 2421 mm (63.4 to 95.3 in)
Changed by:	Adjustable 2 piece, 8 position wheels

Wheelbase: 2180 mm (86.0 in)

Ford Versatile 276

Protective Structure:

Make/Model/Type:	Versatile/96677/Cab
CSS No:	082/3
Description:	4 post ROPS with Charpy V-notch certified material

Seat:

Make and type:	Sears Mark VIII
Suspension:	Mechanical type with weight adjustment & hydraulic damping
Range of adjustment:	Longitudinal 178 mm (7.0 in) Vertical 95 mm (3.75 in)

Lighting:

	Height of centre above ground mm (in)	Size (lens area) mm (in)	Distance from outside edge of tractor at 2584 mm (101.7 in) outer wheel track, to centre of light mm (in)
Headlights	1120 (44.0)	125 x 185 (4.9 x 7.3)	1050 (41.3)
Stop & tail lights	2850 (112.2)	60 x 190 (2.4 x 7.5)	922 (36.3)
Reflectors (front & rear)	2840 (111.8)	115 x 115 (4.5 x 4.5)	698 (27.5)

Ford Versatile 276

CONDITIONS DURING TEST

Overall dimensions (based on 16.9 x 28 tires)

	Length		Width				Maximum Height to Top of Exhaust	
			Max		Min			
	m	(in)	m	(in)	m	(in)	m	(in)
Single wheels	4.14	(163)	2.88	(113.4)	2.07	(81.5)	2.90	(114)

Minimum ground clearance 533 mm (21 in) to underside of axle final drives (with 16.9 x 28 tires)

Tractor Mass

with cab:

	Ballasted				Unballasted			
	Without Driver		With Driver		Without Driver		With Driver	
	kg	lb	kg	lb	kg	(lb)	kg	(lb)
Front	3818	(8401)	3830	(8427)	2470	(5435)	2482	(5461)
Rear	2286	(5030)	2349	(5169)	1802	(3965)	1865	(4104)
Total	6104	(13431)	6179	(13596)	4272	(9400)	4347	(9565)

Note: Seat at maximum rearward position, facing engine end.
All ballast in the form of liquid added to tires.

Track setting during tests

Front: 2125 mm (83.7 in)

Ford Versatile 276

FUEL AND LUBRICANTS USED IN TESTS

Fuel — Diesel oil to SAE J313 grade 1-D, type T-T, viscosity at 38 °C (100 °F), 1.4-2.5 cSt, Cetane No.40 minimum

Density at 15 °C — 0.84 g/cm³

Oil

Engine: — SAE 10W-30, Mil Std L-2104C,SF/CD, viscosity 9.3 cSt min at 100 °C (210 °F)

Transmission: — Versatile HyGear 23, viscosity 8.9 cST min at 100 °C (210 °F), Mil and API not available

Hydraulic powerlift & steering: — Dexron II hydraulic/hydrostatic transmission fluid, viscosity 5.5 cSt min at 100°C (210°F), Mil and API not available

Transmission oils

	Transmission Gearbox	Front & Rear axles/final drive (ea)
Recommended oil:	Versatile HyGear 23	SAE 80W-90,GL5
Capacity:	8.7 L (9 qt US)	2.3 L(2.4 qt US) Differentials* 1.7 L(1.8 qt US) Drop Axles
Viscosity at 100°C(210° F)	8.9 cSt (min)	14-25 cSt
Mil standard	NA	L-2105 B/C
Oil change period	400 hours	400 hours (for drop axles only differential oil only needs periodical checking every 200 hours)
Filter change period	NA	NA

** Axles with Dana "powr-lok" differential must have oil replaced at 100 hours use and every 2000 hours or once per year thereafter. Ford Part No. C8AZ-19B546-A additive 118 mL (4 fl. oz. US) per differential.*

Number of grease points

Complete tractor: 36 (including rear PTO and power lift)

Ford Versatile 275

COMPULSORY TESTS

1. MAIN POWER TAKE-OFF PERFORMANCE

Date and location of tests: 06th June 1989, Winnipeg, Manitoba, Canada
Type of dynamometer: Eddy Current

Power	Speed, rev/min		Fuel Consumption			
kW	Engine	PTO	l/h	kg/h	kg/kWh	kW.h/l
1.1 MAXIMUM POWER 2 hour test						
79.6	2500	1025	25.3	21.0	0.264	3.19
1.2 POWER AT RATED ENGINE SPEED						
79.6	2500	1025	25.3	21.0	0.264	3.19
1.3 STANDARD POWER TAKE-OFF SPEED						
79.6	2500	1025	25.3	21.0	0.264	3.19
1.4 PART LOADS 1.4.1 torque corresponding to maximum power at rated engine speed						
79.6	2500	1025	25.3	21.0	0.264	3.19
1.4.2 85% of the torque obtained at rated speed						
71.8	2653	1089	25.4	21.4	0.298	2.82
1.4.3 75% of the torque defined in 1.4.2						
54.6	2681	1100	20.7	17.3	0.317	2.65
1.4.4 50% of the torque defined in 1.4.2						
36.5	2707	1111	17.5	14.7	0.402	2.09
1.4.5 25% of the torque defined in 1.4.2						
18.3	2714	1114	13.5	11.3	0.615	1.37
1.4.6 Unloaded						
1.0	2757	1131	9.7	8.2	9.426	0.11

Ford Versatile 276

Power	Speed, rev/min		Fuel Consumption			
kW	Engine	PTO	l/h	kg/h	kg/kWh	kW.h/l
1.5 PART LOADS AT STANDARD POWER TAKE-OFF SPEED (540/1000 rpm) 1.5.1 torque corresponding to maximum power						
79.6	2500	1025	25.3	21.0	0.264	3.19
1.5.2 85% of the torque obtained in 1.5.1						
71.8	2653	1089	25.4	21.4	0.298	2.82
1.5.3 75% of the torque defined in 1.5.2						
54.6	2681	1100	20.7	17.3	0.317	2.65
1.5.4 50% of the torque defined in 1.5.2						
36.5	2707	1111	17.5	14.7	0.402	2.09
1.5.5 25% of the torque defined in 1.5.2						
18.3	2714	1114	13.5	11.3	0.615	1.37
1.5.6 Unloaded						
1.0	2757	1131	9.7	8.2	9.426	0.11

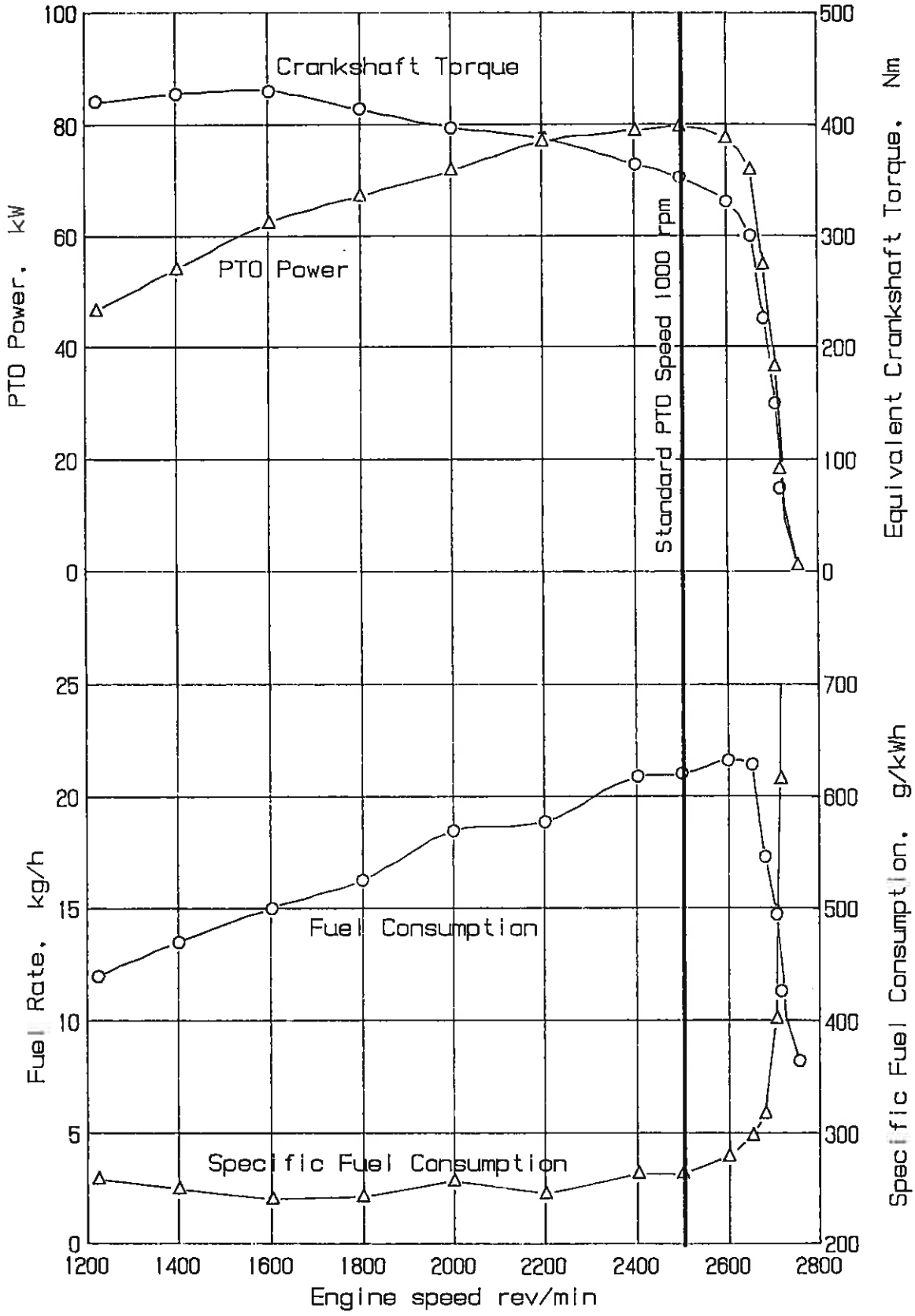
No load, maximum engine speed — 2757 rev/min

Equivalent crankshaft torque at maximum power — 352.5 Nm

Maximum equivalent crankshaft torque — 434.1 Nm at 1600 rev/min engine speed

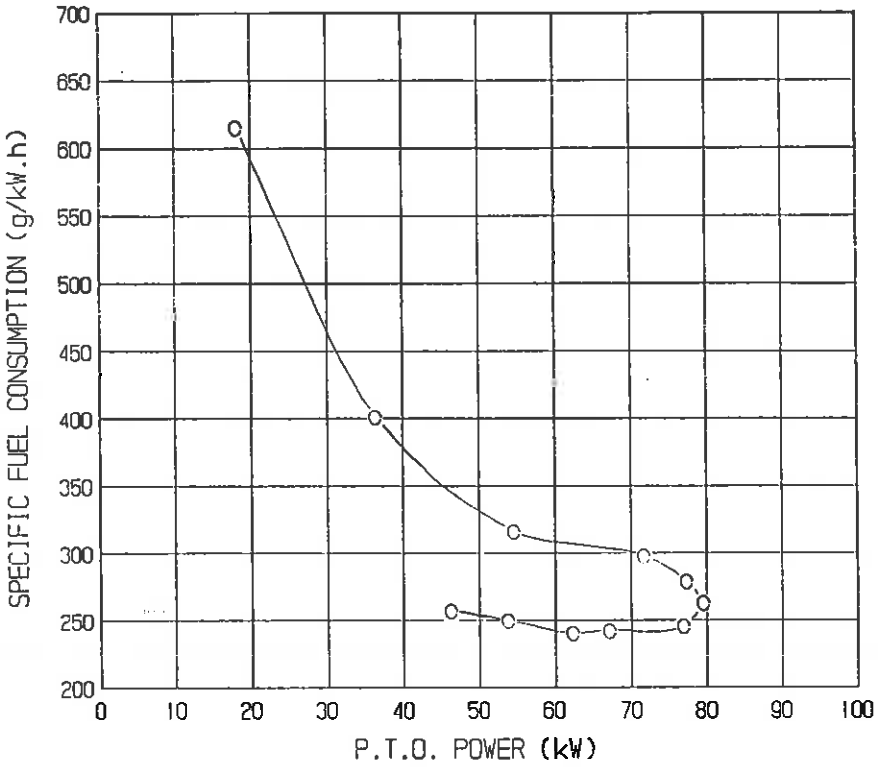
Mean atmospheric conditions
- temperature — 14 °C
- pressure — 1006 m bar
- relative humidity — 94 %

Maximum temperature
- coolant — 86 °C
- engine oil — 112 °C
- fuel — 49 °C
- air intake — 36 °C



PTO Power. Versatile 276. June 1989

Ford Versatile 276



2. HYDRAULIC POWER AND LIFTING FORCE

Date of tests: June 1989

2.1 HYDRAULIC POWER TEST

- maximum pressure at rated flow at compensater cutoff: 18.6 MPa (2700 psi)
- sustained pressure: 20.7 MPa (3000 psi)
- pump delivery rate at minimum pressure: 119.2 l/min (31.5 US gal/min)

	Flow rate l/min (US gal/min)	Pressure MPa (psi)	Power kW (hp)
Flow rate corresponding to a hydraulic pressure equivalent to 90% of the actual relief valve pressure setting and corresponding hydraulic power	111.7 (29.5)	18.6 (2700)	34.7 (46.5)
Flow rate and hydraulic pressure corresponding to maximum hydraulic power	111.7 (29.5)	18.6 (2700)	34.7 (46.5)

2.2 POWER LIFT TEST

		at hitch point	on the frame
Height of lower hitch points above ground in down position	mm (in)	150 (5.9)	120 (4.7)
Vertical movement	mm (in)	728(28.7)	932 (36.7)
Maximum corrected force exerted through full range	kN (lb)	29.9 (6720)	18.0 (4045)
Corresponding pressure of hydraulic fluid	MPa (psi)	18.6 (2700)	18.6 (2700)
Moment about rear wheel axis	kN.m (ft-lb)	28.4 (20950)	28.1 (20710)
Maximum tilt angle of mast from vertical	degrees	-	15.3

Lifting heights relative to the horizontal plane including the lower link pivot points

mm	-500	-485	-400	-300	-200	-100	0	+100	+200	+243	+300
Lifting forces (the values measured are corrected to correspond to a hydraulic pressure equivalent to 90% of the actual relief valve pressure setting or to maximum power delivered by the hydraulic system, whichever is lower.											
at hitch point kN (lb)		35.5 (7980)	35.5 (7980)	35.3 (7930)	35.0 (7860)	34.2 (7690)	33.2 (7470)	32.3 (7260)	30.8 (6920)	29.9 (6720)	
Corresponding pressure:18.6 MPa (2700 psi)											
at frame kN (lb)	32.8 (7365)		31.6 (7100)	29.9 (6715)	27.9 (6270)	25.9 (5825)	23.9 (5380)	22.0 (4955)	20.0 (4490)		18.0 (4045)
Corresponding pressure:18.6 MPa (2700 psi)											

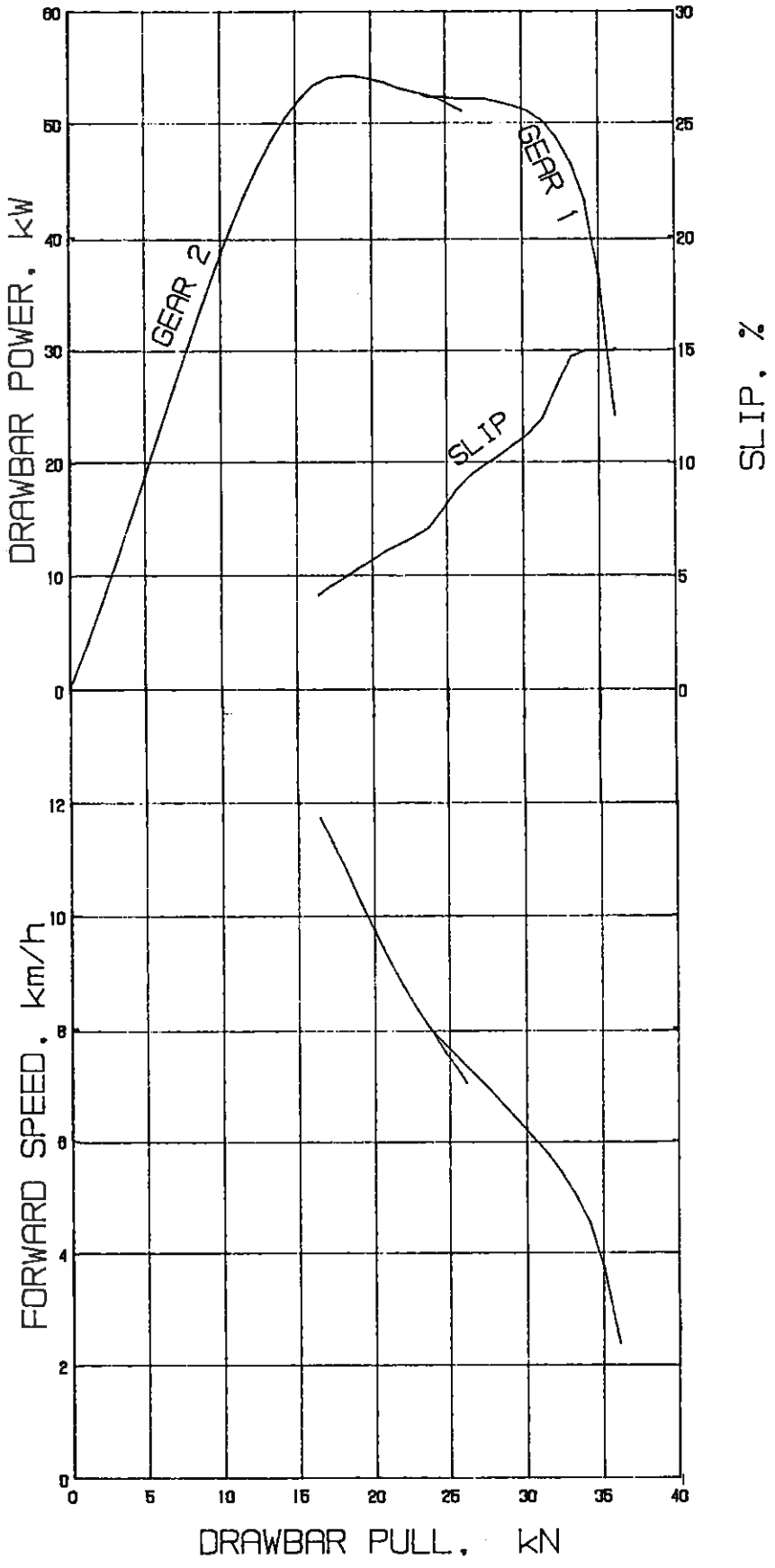
Ford Versatile 276

3. DRAWBAR POWER AND FUEL CONSUMPTION (UNBALLASTED TRACTOR)

Date of tests: June 21, 1989

Type of track: Concrete

Gear	Speed	Power	Drawbar Pull	Engine Speed	Wheel Slip	Specific Fuel Consumption		Temperature, °C			Atmospheric Conditions		
											Temp	Relative Humidity	Pressure
	km/h	kW	kN	rev/min	%	kg/kW.h	kW.h/l	Fuel	Coolant	Oil	°C	%	mbar
(1) MAXIMUM POWER Tire inflation pressure: 124 kPa Height of drawbar above ground: 525 mm													
1	2.5	25.0	36.0	2698	15.0	0.616	1.36	46	84	107	22	75	1008
1	3.5	34.1	35.1	2667	15.0	0.522	1.61	46	84	110	22	75	1008
1	5.0	46.1	33.2	2633	13.3	0.446	1.88	52	86	114	23	75	1008
1	6.5	53.1	29.4	2511	10.8	0.397	2.11	51	86	113	23	75	1008
1	8.0	53.1	23.9	2500	7.5	0.389	2.15	49	86	112	24	75	1008
2	8.0	52.6	23.7	2500	7.4	0.399	2.10	49	85	114	25	75	1008
2	11.0	53.5	17.5	2500	4.5	0.392	2.14	48	85	113	24	75	1008
2	11.8	53.6	16.4	2490	4.2	0.391	2.14	46	85	111	24	75	1008
(2) Transmision and Fuel Consumption Characteristics (i) Selected Gear (nearest 7.5 km/h)													
1	8.07	52.5	23.4	2480	6.9	0.396	2.12	49	86	112	27	75	1008
(ii) 75% of Pull at Maximum Power													
1	9.24	45.4	17.7	2674	3.9	0.399	2.1	47	85	110	24	75	1008
(iii) 50% of Pull at Maximum Power													
1	9.69	31.7	11.8	2698	3.0	0.498	1.7	44	84	105	24	75	1008
Next Highest Gear Same Pull and Ground Speed as (ii) at reduced engine speed													
2	9.11	44.6	17.6	1942	4.0	0.344	2.44	40	84	100	24	75	1008
Next Highest Gear Same Pull and Ground Speed as (iii) at reduced engine speed													
2	9.64	31.3	11.7	1949	2.2	0.400	2.10	41	83	100	24	75	1008



DRAWBAR POWER, without ballast

4. OPTIONAL TESTS

Ballasted Drawbar Power Test

Mass of ballasted tractor (without driver but with tanks full)

Front, kg	Rear, kg	Total, kg
3818	2286	6104

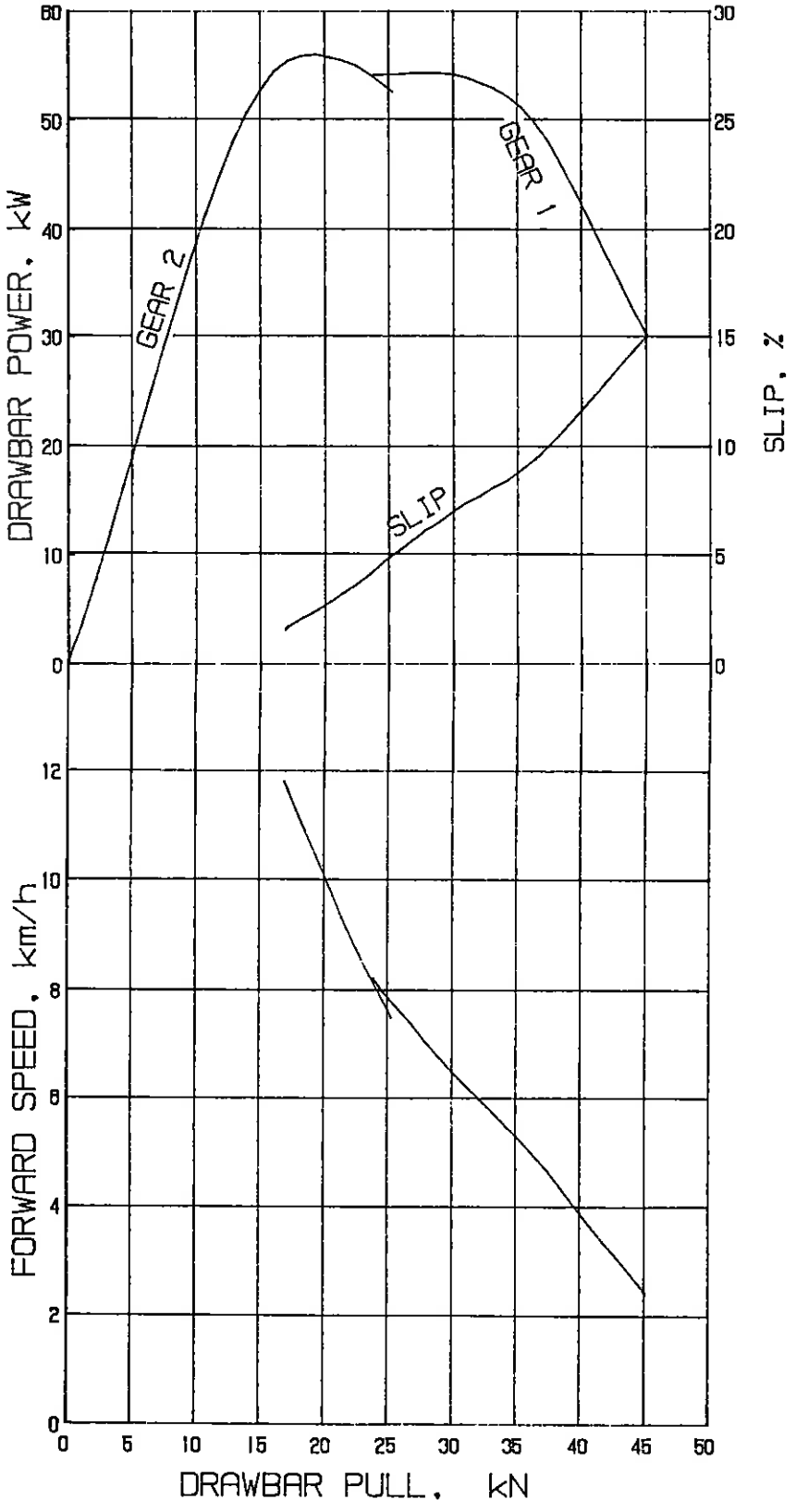
Maximum Drawbar Power

Gear	Speed	Power	Drawbar Pull	Engine Speed	Wheel Slip	Specific Fuel Consumption		Temperature, °C			Atmospheric Conditions		
											Temp	Relative Humidity	Pressure
	km/h	kW	kN	rev/min	%	kg/kW.h	kW.h/l	Fuel	Coolant	Oil	°C	%	mbar
(ii) MAXIMUM POWER Tire inflation pressure: 124 kPa Height of drawbar above ground: 520 mm													
1	2.5	31.1	44.8	2633	14.9	0.688	1.22	60	87	114	28	60	1015
1	3.5	40.4	41.6	2600	12.2	0.518	1.62	58	87	114	28	59	1015
1	5.0	50.3	36.2	2501	9.4	0.410	2.05	56	86	113	28	58	1015
1	6.5	54.3	30.1	2497	7.1	0.393	2.13	50	86	113	28	58	1015
1	8.0	54.7	24.6	2501	4.7	0.382	2.20	48	86	113	26	57	1014
1	8.2	54.2	23.8	2495	5.4	0.386	2.17	47	86	111	26	57	1014
2	8.0	53.3	24.0	2495	4.4	0.381	2.20	47	86	111	25	56	1014
2	11.0	55.3	18.1	2500	2.1	0.366	2.29	56	87	113	27	54	1014
2	11.8	55.2	16.9	2502	1.7	0.367	2.29	56	87	113	27	54	1014

REPAIRS AND ADJUSTMENTS DURING TEST: None

REMARKS: None

Date: June 30, 1989; Drawbar height: 520 mm; Tire pressure: 125 kPa



DRAWBAR POWER, with ballast