T.C.
TARIM VE KÖYİŞLERİ BAKANLIĞI
TARIM ALET VE MAKİNALARI
TEST MERKEZİ MÜDÜRLÜĞÜ

Belge No / Certificate No: 06/165

TEST REPORT

Report on test in accordance with the OECD Standard Code 2 for the Official Testing of Agricultural Tractors Performance

CODE II
Restricted Code



VALPADANA 4035 W – 4 WD
(12 Speeds – 30 km/h)



YAĞMUR Efsane 40W – 4 WD
(12 Speeds – 30 km/h)

Submitted for Test by; : YAĞMUR TARIM MAKİNALARI SAN. ve TİC A.Ş.
Beylikdüzü/İSTANBUL

OECD approval No : 2/1 973

Date of approval :28 January 2002

JULY - 2001
ANKARA

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VALPADANA 4035 W (4 WD)
TEST NO : 107/1937 TGK.35

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The Valpadana 4035 W (4 WD) and Yağmur – Efsane 40 W (4 WD) tractors are technically identical in all main except with regard to model designation, and colour. All tests were carried out the Valpadana 4035 W (4 WD)

All stated dimensions and tests refer to tyre size 7.5 L – 15 at front and 12.4 R 20 at rear, as well as to track widths 1090 mm at front and 990 mm at rear.

This is a report on a tractor tested in accordance with OECD standard code for the Official Testing of Agricultural Tractor Performance, it does not contain an evaluation of the tractor on practical work.

UNITS

Forces	1 kN	= 1000 N	= 102 kp
Power	1 kW	= 1.36 HP	
Pressure	1 MPa	= 10 bar	= 10.2 kp/cm^2
	100 kPa	= 1000 mbar	= 750.1 mmHg

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TEST NO : 107/1937 TGK.35

Tractor Manufacturer's name and address	: Yağmur Tarım Makinaları San. ve Tic. A.Ş. Beymersan San. Sitesi 2.Cad.No:17 Beylikdüzü/ İSTANBUL
Location of tractor assembly	: Yağmur Tarım Makinaları San. ve Tic. A.Ş. Beylikdüzü/ İSTANBUL
Submitted for test by	: Yağmur Tarım Makinaları San. ve Tic. A.Ş. Beylikdüzü/ İSTANBUL
Selected for test by	: Yağmur Tarım Makinaları San. ve Tic. A.Ş. Beylikdüzü/ İSTANBUL
Place of running in	: Tarım Alet ve Makinaları Test Merkezi Müdürlüğü
Duration of running in	: 15 h
Location of test	: Tarım Alet ve Makinaları Test Merkezi Müdürlüğü Tel : (0-312) 3156574 Fax: (0-312) 3150466 Yenimahalle/ANKARA

1. SPECIFICATIONS OF TRACTOR

1.1 IDENTIFICATION

1.1.1	Make	: VALPADANA
	Model	: 4035 W
	Type	: 4 WD, horticulture type

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1.1.2 Numbers

Serial No	: DT 6506
First Serial No	: DT 6506

1.1.3 Other specifications (if applicable)

Model(s) for other countries	: -
Transmission type or gears x ranges	: 12 forward 12 reverse
Speed version	: 30 km/h
Manufacturer identification or	
Technical type number	: -

1.2 ENGINE

Make, model and type	: Lombardini, LDW 503/B2, Diesel, indirect injection
Serial No.	: 4324575

1.2.1 Cylinders

Number/disposition	: 3, vertical in line
Bore/stroke	: 88/85 mm
Capacity	: 1551 cm^3
Compression rate	: 22/1
Arrangement of valves	: Overhead
Cylinder liners	: Wet

1.2.2 Supercharging : None

1.2.3 Fuel System

Fuel feed system : Mechanical, with diaphragm

Make, type and model of fuel filter : Lombardini, replaceable cartridge, FIAMM with total filtering surface 5000 cmc and filtering power of 2-3 micron

Capacity of fuel tank : 25 dm^3

Make, type and model of injection pump : Lombardini, stanadyn, pc 1 Q 6 Pa 2061

Serial no : No

Manufacturer's production setting of injection pump *

Flow rate : 31 ± 2 mm^3/stroke (at rated engine speed and full load 7.81 ± 0.5 dm^3/h)

Timing : 13° before TDC

Make, type and model of injectors: Lombardini, stanadyne, 29397

Injection pressure : 12.0 ± 2.0 Mpa

* Manufacturer didn't want any changes at the injection pump setting for atmospheric pressure because of that is lower than 96.6 kPa

1.2.4 Governor

Make, model and type : Lombardini, centrifugal

Governed range of engine speed: 900-3000 rev/min

Rated engine speed : 2800 rev/min

1.2.5 Air cleaner

Pre-cleaner : None

Location of air intake : From side

Main cleaner

Make, model and type : DOĞU FİLTRE, oiled bath

Maintenance indicator : None

1.2.6 Lubrication system

Type of feed pump	: Forced feed from gear pump
Type of filters	: Replaceable cartridge
Number of filters	: 1

1.2.7 Cooling system

Type of coolant	: Water
Type of pump	: Centrifugal, belt driven
Specification of fan	
Number of fan blades	: 6
Fan diameter	: 350 mm
Coolant capacity	: 11 dm^3
Type of temperature control	: Thermostat and thermometer on instrument panel
Super pressure system	: 70 kPa

1.2.8 Starting system

Make, model and type	: BOSCH, solenoid engaged, DW 12 V
Starter motor power rating	: 2.2 kW
Cold starting aid	: Flame glow plug in air intake manifold
Safety device	: Gear and PTO clutch safety switch

1.2.9 Electrical system

Voltage : 12 V

Generator

Make, model and type : ISKRA , AAK 14 V 4580 alternator

Power : 0.6 kW

Battery

Number of accumulators : 1

Rating : 72 Ah 680 A

1.2.10 Exhaust system

Make, model and type : BILEN Egzos, DGM-SA-173

Location : Left hand side, bottom

1.3 TRANSMISSION

1.3.1 Clutch (travel and power take-off)

Make, model and type : PITTERI VIOLINI S.p.A. 0.184.DAC, dry dual clutch

Number of plates : 2

Diameter of plates : 183 mm

Method of operation : Pedal operated, double clutch

1.3.2 Gear box

Make, model and type : YAĞMUR, (own make) mechanical, synchronized

Description

	Forward	Reverse
Number of gears	4	4
Number of ranges/groups	3/1	3/1
Total of arrangements	12	12

Available options

1.3.3 Rear axle and final drives

Make, model and type : VALPADANA, 4000 series, bevel gear type differantial

Differential lock

Type : Mechanical

Method of engagement : Pedal operated

Method of disengagement : Self disengaged

1.3.4 Front Axle

Make, model and type : VALPADANA 4000 series, bevel gear, type, differantial

Differential lock : None

1.3.5 Total ratios & travelling speed

Gear no	Group or range	Number of engine revolutions for one revolution of the driving wheel		Nominal travelling speed at rated engine speed of 2800 rev/min km/h (*)	
		Forward	Reverse	Forward	Reverse
1	K Slow	563.511	680.909	0.92	0.76
2		374.332	452.318	1.38	1.14
3		251.164	303.491	2.06	1.70
4		161.003	194.545	3.21	2.66
1	I Normal	191.520	231.420	2.70	2.24
2		127.224	153.729	4.07	3.37
3		85.363	103.147	6.06	5.02
4		54.720	66.120	9.46	7.83
1	T Fast	67.085	81.060	7.71	6.38
2		44.563	53.847	11.61	9.61
3		29.901	36.130	17.31	14.32
4		19.167	23.160	27.00	22.34

* Calculated with a tyre dynamic radius index of 490 mm (Not in Conformity with ISO 4251-1 : 1998)

Number of revolutions of front wheels for one revolution of rear wheels : 1.375

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1.4 POWER TAKE-OFF

1.4.1 Main power take-off

Type	: Independent, mechanical
Method of engagement	: Hand lever operated
Number of shafts	: 1
Method of changing power take-off speeds and shaft ends	: Hand lever operated

1.4.1.1 Power take-off proportional to engine speed

540 rev/min

Location	: At rear of tractor
Diameter of power take-off shaft end	: 35 mm
Number of splines	: 6, in conformity with ISO 500:1991
Height above ground	: 500 mm
Distance from the median plane of the tractor	: 0
Distance behind rear-wheel axis	: 288 mm
PTO speed at rated engine speed	: 596 rev/min
Engine speed at standard power take-off speed	: 2538 rev/min
Ratio of rotation speeds (engine speed/p.t.o speed)	: 4.7/1
Power restriction maximum torque transmissible	: -
Direction of rotation (viewed from behind tractor)	: Clockwise

1000 rev/min

Location	: At rear of tractor
Diameter of power take-off shaft end	: 35 mm
Number of splines	:6, not in conformity with ISO 500:1991
Height above ground	: 500 mm
Distance from the median plane of the tractor	: 0
Distance behind rear-wheel axis	: 288 mm
PTO speed at rated engine speed	: 1161 rev/min
Engine speed at standard power take-off speed	: 2411 rev/min
Ratio of rotation speeds (engine speed/PTO speed)	: 2.41/1
Power restriction maximum torque transmissible	:
Direction of rotation (viewed from behind tractor)	: Clockwise

1.4.1.2 Power take-off proportional to ground speed

Travelling distance for one revolution of take-off shaft	: 0.156 m
Number of PTO shaft revolutions for one revolution of (rear) driving wheels	: 19.72
Direction of rotation with forward gear engaged (viewed from behind tractor)	: Clockwise

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1.5 HYDRAULIC POWER LIFT

Make, model and type	:MITA OLEO DINAMICA S.p.A, M35 VL
Type of hydraulic system	: Open system
Type and number of cylinders	: 1, double - acting
Type of linkage lock for transport	: Hydraulic
Relief valve pressure setting	: 15.0 ± 0.5 MPa
Opening pressure of cylinder safety valve	: 20.0 ± 0.5 MPa
Lift pump type	: BUCHER, AM 2/24 D100
Transmission between pump and engine	: Mechanical
Type and number of filters	: 1, Donaltson, FACA 60/1
Site of oil reservoir	: Gear box
Type, number and location of tapping points	: At rear of tractor, 3 (1 single acting 2 double acting)
Maximum volume of oil available to external cylinders	: -

1.6 THREE- POINT LINKAGE

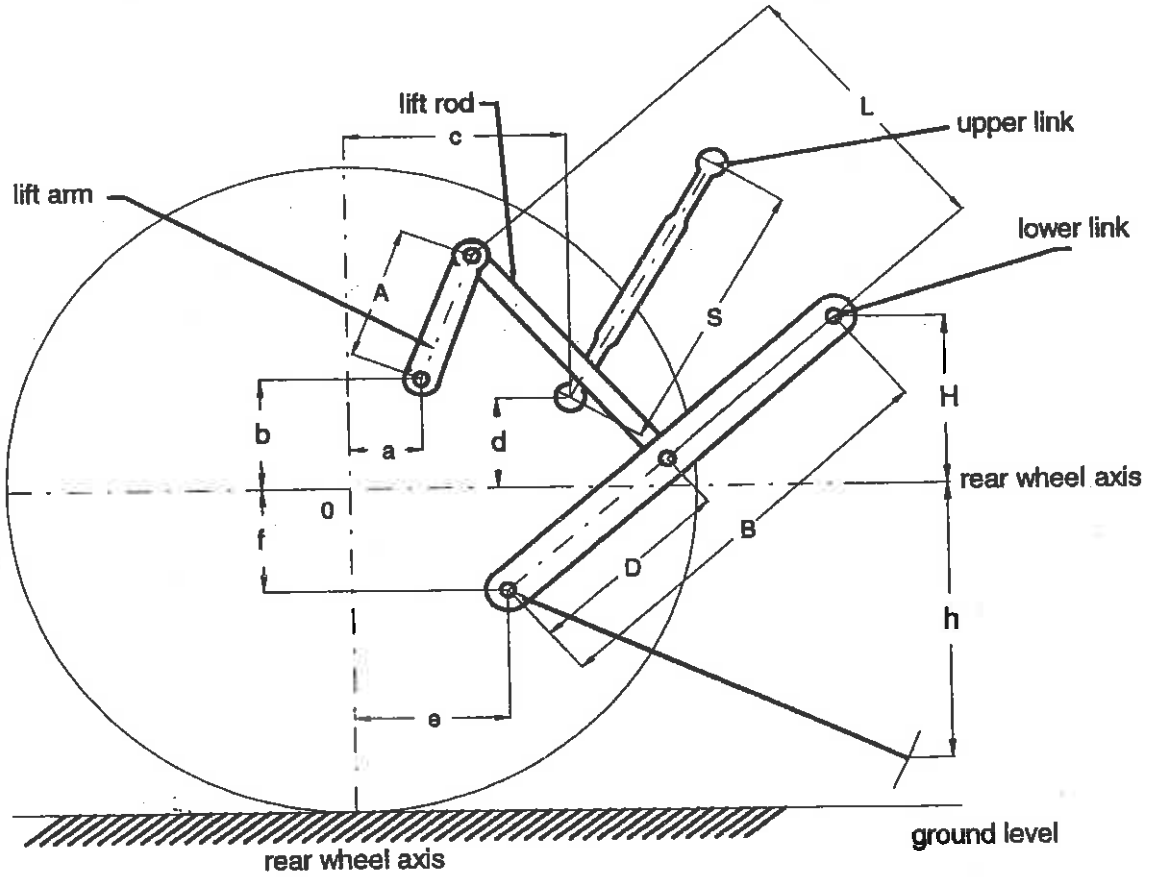
1.6.1. Rear three point linkage

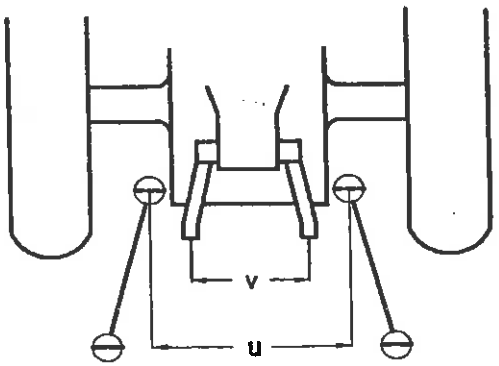
Category	: I, in conformity with ISO 730/1-1994 + Cor. I : 1995
Category adapter	: None

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Rear Linkage geometry





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TABLE 2.1. Dimensions of linkage geometry (when connected to the standard frame)

		Dimension or range (mm)	Setting used in test (mm)
Length of lift arms	(A)	230	230
Length of lower links	(B)	615	615
Distance of lift arm pivot point from rear wheel axis			
- Horizontally	(a)	123	123
- Vertically	(b)	240	240
Horizontal distance between the two lower link points	(u)	423	423
Horizontal distance between the two lift arm end points	(v)	365	365
Length of upper link	(S)	from 415 to 620	440
Distance of upper link pivot point from rear wheel axis			
- Horizontally	(c)	310	310
- vertically	(d)	167/197	197
Distance of lower link pivot point from rear wheel axis			
- horizontally	(e)	123	123
- vertically	(f)	78	78
Distance of lower link pivot points to lift rod pivot points on lower links	(D)	375	375
Length of the lift rods	(L)	from 435 to 515	435
Height of lower hitch points relative to the rear wheel axis			
- in low position	(h)	from 355 to 445	355
- in high position	(H)	from 63 to 135	101
Height above ground of lower hitch points when locked in transport position (*)		Any height within lift range	

(*) Assuming r = 490 mm tyre dynamic radius index (not in conformity with ISO 4251 - 1: 1998

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1.6.2. Front three point linkage	: No
1.7 SWINGING DRAWBAR	: No

1.8 TRAILER HITCH

Type	: Clevis
Hole diameter	: 26 mm
Height above ground	: 350/390/430 mm
Distance of hitch point from rear – wheel axis, horizontally	: 371 mm
Distance of hitch point from PTO shaft end	
Vertically	: 100/140/180 mm
Horizontally	: 83 mm
Maximum vertical permissible load	: -

1.9 HOLED DRAWBAR	: Optional, not fitted on tested tractor
Number of holes	: 8
Distance between holes	: 70 mm
Hole diameter	: 22 mm
Thickness/width of the drawbar	: 25/60 mm
Height above ground	
Minimum	: 45 mm
Maximum	: 625 mm
Horizontal distance to power take off shaft end (rear)	: 437 mm

1.10 STEERİNG

Make, model and type : Ognibene STAON 506-1, hydraulic

Method of operation;

Pump : Bucher, AM 2/20 S 100

Cylinder : Bore 45 x stroke 110 mm, double acting

Working pressure : 9.0 MPa

1.11 BRAKES

1.11.1 Service brake

Make, model and type : Own make, mechanical, with tambour

Method of operation : Mechanical, pedal operated

Trailer braking take-off : No

1.11.2 Parking brake

Type : Mechanical

Method of operation : Actuated by hand lever with ratchet, acting on service brake

1.12 WHEELS

Number

Front : 2/driving and steering

Rear : 2/driving

Wheelbase : 1700 mm

Track width adjustment

	Minimum mm	Maximum mm	Adjustment method
Front	1090	1120	Reversing wheels and off-set lug rims
Rear	990	1110	Reversing wheels and off-set lug rims

1.13 PROTECTIVE STRUCTURE

Make, model and type	: Valpadana, VT, 41 (Turkish made)
Manufacturer's name and address	: Yağmur Tarım Makinaları ve Tic. A.Ş. Beymersan Sanayi Sit. 2. Cad. No: 17 Beylikdüzü/İSTANBUL
Protective device	
Cab / frame / roll guard / other	: Roll guard
Tiltable / not tiltable	: Tiltable
OECD approval	
Approval number	:not yet approved
Date of approval	: -
Nos. of minor modification certificates	: -

1.14 SEAT

1.14.1 Driver's seat

Make, model and type	: COBO MT, SE 33.04.52 VA
Seat and steering wheel reversible	: No
Type of suspension	: Helezon spring
Type of damping	: Shock absorber
Range of adjustment	
Longitudinal	: 160 mm
Vertical	: 0
Seat and steering wheel reversible	: No
Safety belt	: No

1.14.2 Passenger seat : No

1.15 LIGHTING

	Height above ground of center mm	Size mm	Distance from outside edge of lights to median plane of tractor mm
Headlights	815	150x100	170
Sidelights	1010	60x55	522
Rearlights	1010	60x 55	425
Reflectors	1010	60x45	470

2.TEST CONDITIONS

2.1 Overall Dimensions (unballasted tractor)

Length mm	Width		Height at top of
	Minimum mm	Maximum mm	Protective structure top lamp mm
2840	1410	1530	2185

2.2 Ground Clearance (unballasted tractor)

Clearance – limiting part : 305 mm (Trailer hitch point)

2.3 Tractor Mass (unballasted tractor with roll guard)

	Without driver kg	With driver kg
Front	513	538
Rear	703	753
Total	1216	1291

2.4 TYRES AND TRACK WİDTH SPECİFICATİONS

	Front	Rear
Tyres	PIRELLI	PIRELLI
Dimensions	7.5 L – 15	12.4 R 20
Ply rating	8	-
Type	Diagonal	Radial
Maximum load (tyre manufacturer's)	9.17 kN	12.3 kN
Maximum load (tractor manufacturer's)	7.06 kN	13.4 kN
Inflation pressure (tyre manufacturer's)	280 kPa	160 kPa
Dynamic radius index	345 mm	490 mm
Chosen track width	1090 mm	990 mm

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2.5 OILS AND LUBRICATION

2.5.1 Capacity and change interval

	Capacity dm^3	Oil change h	Filter change h
Engine	4	125	250
Gear box	18	1000	1000
Rear axle	Common with gear box		
Final drive (rear)	Common with gear box		
Final drive (front)	4	1000	1000
Hydraulic system	Common with gear box		
Steering	2	1000	1000

2.5.2 Specifications

	Recommended	Used during test
Engine oil Type Viscosity Classification	Shell Rimula D 8.5 cSt – 50 °C de API – DG/MIL-L-2104 B	As recommended
Transmission oils Type Viscosity Classification	Shell Donax TD 9.49 cSt – 100 °C de API – GL-4	As recommended
Hydraulic oil Type Viscosity Classification	Shell Donax TD 9.49 cSt – 100 °C de API GL-4	As recommended
Steering oil Type Viscosity Classification	Shell Donax TM 7 cSt – 100 °C de API GL-4	As recommended

2.5.3 Grease

Type : MULTIPORPUSE

Number of lubrication points : 7

2.6 FUEL

Type : P.O. Diesel oil, in conformity with national standard

Density at 15 °C

PTO test : 0.827 g/cm^3

Drawbar test : 0.827 g/cm^3

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3. COMPULSORY TEST RESULTS

3.1 MAIN POWER TAKE-OFF

Date and location of tests :16-18/05/2001 Tarım Alet ve Mak.Test Merkezi Müdürlüğü-ANKARA

Type of dynamometer :AEG Electrical

Power	Speed		Fuel consumption			Specific energy
	Engine	p.t.o	Hourly		Specific	
kW	rev/min		kg/h	l/h	g/kWh	kWh/ l
3.1.1. MAXIMUM POWER- TWO HOUR TEST						
19.4	2800	596	6.52	7.88	336	2.46
3.1.2. Power at rated engine speed						
19.4	2800	596	6.52	7.88	336	2.46
3.1.3. Standard Power Take-off speed (540 ± 10 rev/min)						
18.6	2538	540	6.43	7.78	346	2.39
3.1.4. PART LOADS						
3.1.4.1.The torque corresponding to maximum power at rated engine speed						
19.4	2800	596	6.52	7.88	336	2.46
3.1.4.2. 85% of torque obtained in 3.1.4.1.						
16.8	2851	607	5.49	6.64	328	2.53
3.1.4.3. 75% of torque defined in 3.1.4.2.						
12.7	2876	612	4.23	5.12	334	2.48
3.1.4.4. 50% of torque defined in 3.1.4.2.						
8.6	2905	618	3.23	3.91	377	2.19
3.1.4.5. 25% of torque defined in 3.1.4.2.						
4.3	2923	622	2.58	3.12	602	1.38
3.1.4.6. No load						
0	2947	627	1.87	2.26	-	-

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Power	Speed		Fuel consumption			Specific energy
	Engine	PTO	Hourly		Specific	
kW	rev/min		kg/h	l/h	g/kWh	kWh/l
3.1.5.PART LOADS AT STANDARD POWER TAKE-OFF SPEED (540 ±10 rev/min)						
3.1.5.1. The torque corresponding to maximum power						
18.6	2538	540	6.43	7.78	346	2.39
3.1.5.2. 85% of torque obtained in 3.1.5.1.						
16.4	2633	560	5.16	6.24	316	2.63
3.1.5.3. 75% of torque defined in 3.1.5.2.						
12.4	2666	567	3.90	4.72	314	2.63
3.1.5.4. 50% of torque defined in 3.1.5.2.						
8.4	2685	571	2.97	3.59	355	2.34
3.1.5.5. 25% of torque defined in 3.1.5.2.						
4.2	2708	576	2.34	2.83	555	1.48
3.1.5.6. No load						
0	2721	579	1.63	1.97	-	-

No load maximum engine speed : 2947 rev/min

Torque (equivalent crankshaft) at maximum power

At rated engine speed : 66.2 Nm

At 2-hour test : 66.2 Nm

Maximum torque : 78.6 Nm (at 2000 rev/min engine speed and full load)

Mean atmospheric conditions

Temperature : 28 °C

Pressure : 91.5 kPa

Relative humidity : 52 %

Maximum temperatures (°C)

Cooling water : 74 °C

Engine oil : 117 °C

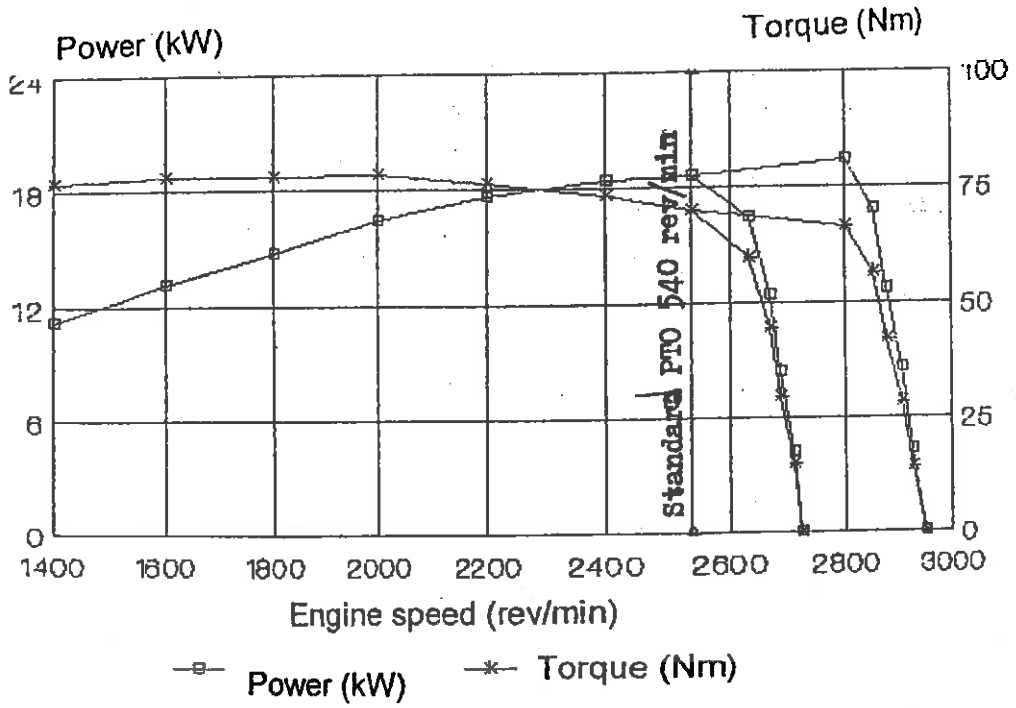
Fuel : 44 °C

Engine air intake : 33 °C

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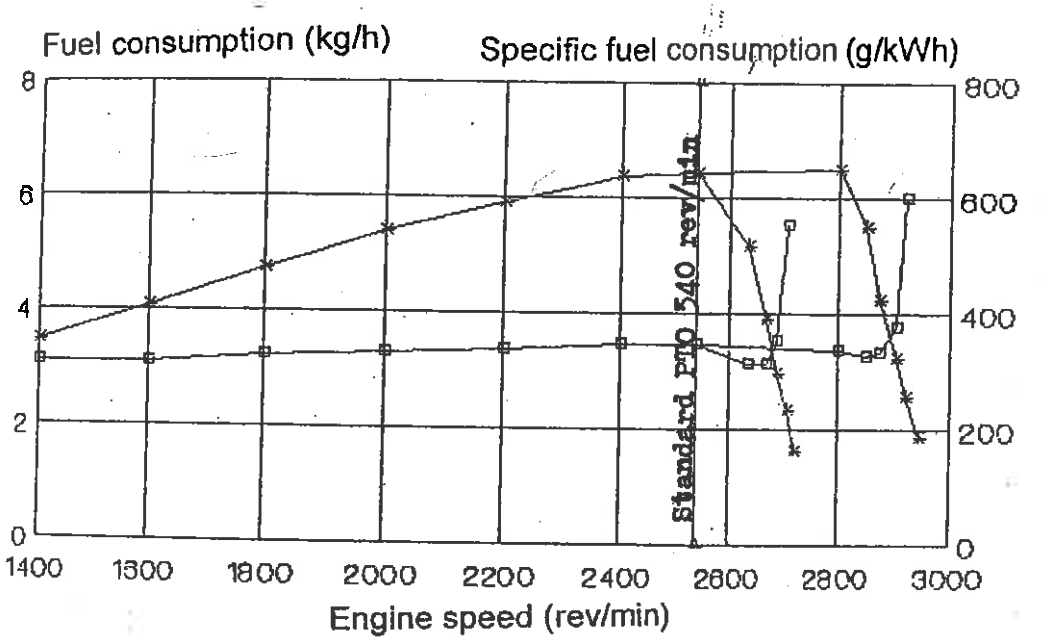
PTO TEST



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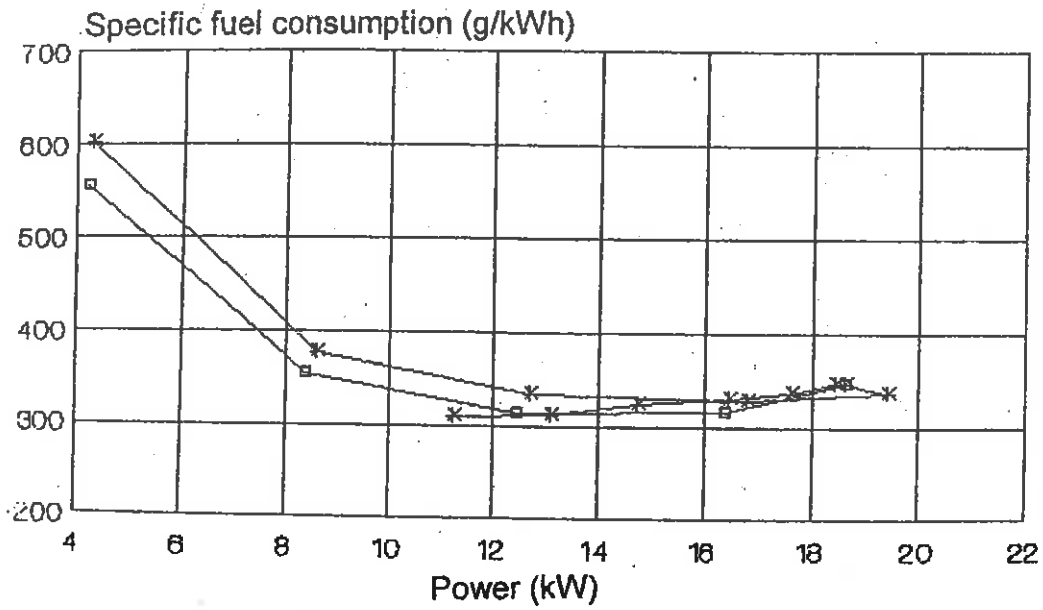
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TEST NO : 107/1937 TGK.35

PTO TEST



Governor set for maximum power at rated speed (rev/min)

Governor set for maximum power at PTO speed (rev/min)

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3.2 HYDRAULIC POWER AND LIFTING FORCE

Date of tests : 27/06/2001

3.2.1 Hydraulic power test

Sustained pressure with relief valve open : 13.5 MPa

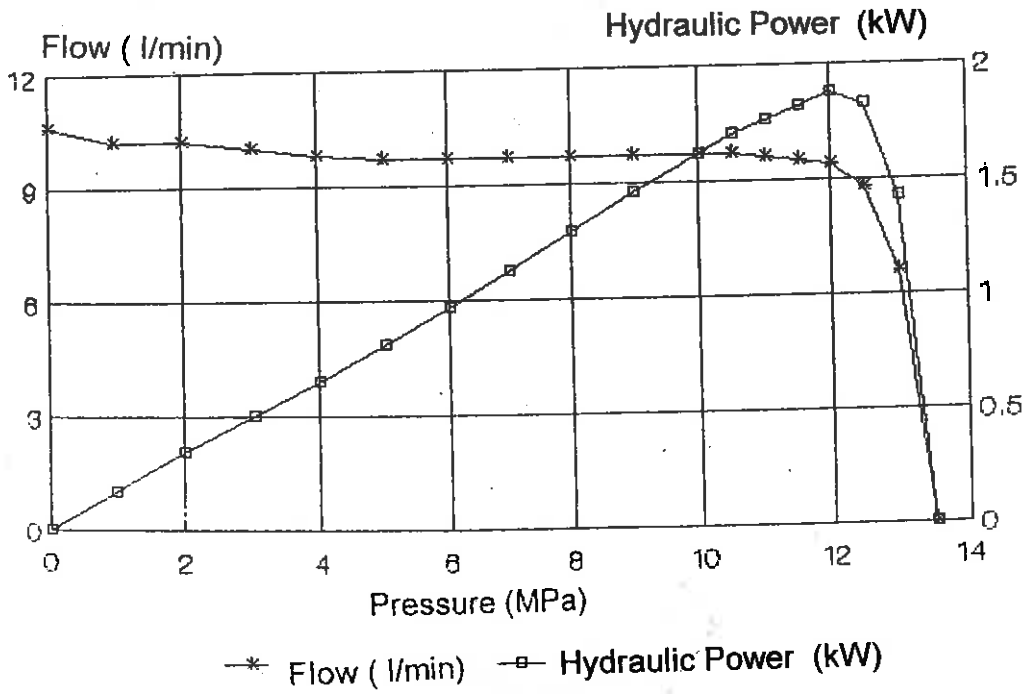
Pump delivery rate at minimum pressure : 10.6 l/min

	Flow rate l/min	Pressure MPa	Power kW
Flow rate corresponding to a hydraulic pressure equivalent to 90% of the actual relief valve pressure setting and corresponding hydraulic power	9.4	12.2	1.9
Flow rate and hydraulic pressure corresponding to maximum hydraulic power	9.4	12.2	1.9

Tapping point used for test :At rear of tractor, 2

Temperature of hydraulic fluid :65 ± 5 °C

Opening or closing pressure of the unloading valve : -



3.2.2 Power lift test

		At the hitch point	On the frame
Height of lower hitch point above ground in down position	mm	135	135
Vertical movement	mm	456	730
Maximum corrected force exerted through full range	kN	9.1	4.8
Corresponding pressure of hydraulic fluid	MPa	12.2	12.2
Moment about rear axle	kNm	6.72	6.47
Maximum tilt angle of mast over range of lift	Degrees	-	16° 40′

Main connections measurements : Look at drawings and tables in p. 11 and 12.

Lifting heights relative to the horizontal lower links											
mm	-377	-300	-285	-200	-100	0	+100	+171	+200	+300	353
Lifting forces at the hitch points, corrected to 12.5 MPa											
kN *	-	-	10.4	11.5	12.2	12.5	12.6	9.1	-	-	-
Lifting forces at the frame, corrected to 12.5 MPa											
kN *	7.4	7.4	7.6	7.6	7.7	7.4	6.9	6.5	6.5	5.6	4.8

3.3 DRAWBAR POWER AND FUEL CONSUMPTION (unballasted tractor)

Date of tests : 01-08/06/2001

Type of track: Concrete

Height of drawbar above ground	Tyre inflation pressure	
	Front	Rear
335 mm	200 kPa	200 kPa

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VALPADANA 4035 W (4 WD)
TEST NO : 107/1937 TGK.35

Gear And Group	Power	Drawbar pull	Speed	Engine speed	Slip of wheels	Specific fuel consump Tion	Specific energy	Temperature			Atmospheric conditions		
								Fuel	Coolant	Engine oil	Tempera ture	Relative humidity	Pressure
no	kW	kN	km/h	rev/min	%	g/ kWh	kWh / l	°C	°C	° C	°C	%	kPa
3.3.1. MAXIMUM POWER IN TESTED GEARS (Unballasted tractor)													
K-3	4.1	7.95	1.86	2928	15.0	600	1.37	35	68	95	31	21	91.3
I-1	5.5	8.04	2.43	2927	15.0	584	1.42	35	68	95	31	21	91.3
K-4	6.4	8.04	2.86	2896	15.0	539	1.53	36	72	100	31	21	91.3
I-2	7.8	7.75	3.61	2885	15.0	478	1.73	37	73	103	31	21	91.3
I-3	11.7	7.75	5.42	2886	14.5	405	2.04	37	74	105	30	29	91.3
T-1	14.5	7.75	6.74	2820	14.4	386	2.14	37	74	106	30	29	91.3
I-4	18.4	7.50	8.82	2806	8.2	363	2.28	37	75	108	30	28	91.3
T-2	16.7	5.59	10.75	2795	8.7	374	2.21	37	75	108	30	28	91.3

3.3.2. FUEL CONSUMPTION

Gear And Group	Power	Drawbar pull	Speed	Engine speed	Slip of wheels	Specific fuel consump tion	Specific Energy	Temperature			Atmospheric conditions		
								Fuel	Coolant	Engine oil	Temp eratur e	Relative humidity	Pressure
No	kW	kN	km/h	rev/min	%	g/ kWh	kWh / l	°C	°C	° C	°C	%	kPa
3.3.2.1. In selected gear, at maximum power at rated speed													
I-4	18.4	7.50	8.82	2806	8.2	362	2.28	34	67	92	28	32	91.2
3.3.2.1.1. 75 % of pull at maximum power at rated speed													
I-4	14.3	5.63	9.16	2864	6.8	377	2.19	35	67	92	28	32	91.2
3.3.2.1.2. 50 % of pull at maximum power at rated speed													
I-4	10.0	3.76	9.62	2879	2.4	405	2.04	35	69	100	28	32	91.2
3.3.2.1.3. Next higher gear at reduced engine speed; same pull and travelling speed as in 3.3.2.1.1.													
T-2	14.3	5.63	9.11	2313	6.5	317	2.61	36	67	92	25	29	91.2
3.3.2.1.4. Next higher gear at reduced engine speed; same pull and travelling speed as in 3.3.2.1.2.													
T-2	10.0	3.76	9.60	2330	2.2	354	2.34	37	69	100	28	32	91.2
3.3.2.2. in selected gear nearest to 7.5 km/h at rated speed													
T-1	14.5	7.75	6.74	2820	14.4	386	2.14	32	69	95	27	34	91.2
3.3.2.2.1. 75 % of pull at maximum power at rated speed													
T-1	11.8	5.81	7.30	2860	8.6	422	1.96	32	69	95	27	34	91.2
3.3.2.2.2. 50 % of pull at maximum power at rated speed													
T-1	8.2	3.87	7.63	2881	5.1	468	1.77	34	70	100	27	34	91.2
3.3.2.2.3. Next higher gear at reduced engine speed; same pull and travelling speed as in 3.3.2.2.1.													
I-4	11.8	5.81	7.29	2308	7.7	345	2.39	35	67	95	27	34	91.2
3.3.2.2.4. Next higher gear at reduced engine speed; same pull and travelling speed as in 3.3.2.2.2.													
I-4	8.2	3.87	7.62	2328	4.4	408	2.03	35	70	100	27	34	91.2

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4. OPTIONAL TESTS : No

5. REPAİRS : 1- PTO clutch was repaired because it didn't separate

2- Maximum engine speed was set from 2650 to 2955 rev/min and test was renewed

6. REMARKS : No

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TEST COMMISSION

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Chairman of Test Commission

This test report has been prepared and undersigned as 27 pages

Hüseyin YAŞAR
Assistant Director

Signatures that belong to members of test commission above have been appioved 16.07.2001

Dr. Hamdi TAŞBAŞ
Director