Report on test in accordance with O.E.C.D. STANDARD CODE for the Official Testing of Agricultural Tractors

O. E. C. D. Approval No. 1140
Restricted Code



FORD 1720-12x4 Manual (4WD)

Manufacturer

ISHIKAWAJIMA SHIBAURA MACHINERY Co., Ltd.

Ishishiba 1-1-1 Matsumoto City, Nagano, Japan

Bio-oriented Technology Research Advancement Institution (BRAIN)

1-40-2 Nisshin Omiya Saitama 331 JAPAN

This bulletin is based on engineering tests in accordance with the O.E.C.D. STANDARD CODE for the Official Testing of Agricultural Tractor Performance. It does not contain the evaluation of the tractor performance on practical work.

This report has been approved by the O.E.C.D. Coordinating Center (C.E.M.A.G.R.E.F., France) as being in accordance with the O.E.C.D. STANDARD CODE.

Test No.: 87003 /O.E.C.D.

Date of Test: December, 1987

Date of Approval: 12th Apr., 1988

In this report all performance characteristics are given corresponding to the International System of Units.

The reference to the former used Technical System of Units is given by the following relations:

Forces 1 kgf = 9.80665 N Powers 1 PS = 0.7355 kW Pressures 1 kgf/cm² = 98.0665 kPa

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Printed in JAPAN

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FORD 1720-12x4 Manual (4 WD) O.E.C.D. No. 1140 B R A I N

Tractor manufacturer's

name and address:

ISHIKAWAJIMA SHIBAURA MACHINERY Co., Ltd.

Ishishiba 1-1-1 Matsumoto City, Nagano,

Japan

Location of tractor

assembly:

Submitted for test by: Selected for test by: Place of running-in:

Ishishiba 1-1-1 Matsumoto City, Nagano,

Japan

FORD NEW HOLLAND, Inc. PA 17557, U.S.A. The manufacturer with agreement by BRAIN ISHIKAWAJIMA SHIBAURA MACHINERY Co., Ltd.

Matsumoto Plant

Duration of running-in:

Location of test:

Engine and tractor 92.5 h

BRAIN

I. SPECIFICATIONS OF TRACTOR

TRACTOR

Make:

Model: Type:

ISHIKAWAJIMA SHIBAURA FORD 1720-12x4 Manual

Wheel tractor, unit construction,

four-Wheel driven

Number of driving wheels:

Serial No.: 1st Serial No.: UL 21784 UL 21001

ENGINE

Make:

Model: Type:

ISHIKAWAJIMA SHIBAURA N843

Water-cooled 4-stroke diesel-engine,

in-direct injection

Serial No.:

N843-04316

Cylinders

Number/Disposition: Bore/stroke:

Capacity: Compression ratio: Arrangement of valves:

Cylinder liners (wet or dry):

3, vertical in line

84 / 90 mm 1496 cm^3 22:1

Overhead

Unreplaceable integral, dry

Fuel system

Fuel feed system:

Filters

Make: Model:

Type:

Gravity feed

TAIYO GIKEN IK 12-100

Replaceable paper element with sediment

bowl 32 1

Capacity of fuel tank:

Injection pump

Make:

Model: Type: Serial No.: DIESEL KIKI

NP-PFR 3KD 55/2NP18

In-line 7490005 Manufacturer's production setting

of injection pump

Flow rate

(rated engine speed): 6.1±0.2 1/h (full load): 6.1+0.2 1/h 22.5° before TDC

Timing: Injectors

Make: DIESEL KIKI Model: 105148-1170 Туре: Throttle type Injection pressure: 15+0.5 MPa

Governor

Make: ISHIKAWAJIMA SHIBAURA Model:

125206250

Туре: All speed mechanical governor Governed range of engine speed: From 800 to 2700 rev/min

Rated engine speed: 2500 rev/min

Air cleaner

Make: NIPPON DENSO Model: 114100-2430

Type: Dry, paper element, cyclone type Location of air intake: Above the engine under the hood Maintenance indicator: Clogged indicator warning light

Lubrication system

Type of feed pump: Forced feed with trochoid pump Type of filter(s): Full flow with by-pass valve and

1

replaceable cartridge

Number:

Cooling system

Type of coolant: 50/50 solution of permanent antifreeze and clear water

Make of pump: NIPPON DENSO Model of pump: 16110-6920 Type of pump: Centrifugal

Specification of fan: Axial Number of fan blades: Fan diameter: 340 mm Coolant capacity: 5.6 1 Type of temperature control: Thermostat

Superpressure system: 90 kPa

Starting system

Make: MITSUBISHI Model: M002T54085

Туре: Solenoid, pre-engaged, reduction

Starter motor power rating: 12 V, 2.0 kW

Cold starting aid: Electrical glow plug Safety device:

Operable only with main shift lever and P.T.O. control lever in neutral

position

Electrical system

Voltage: 12 V
Generator Alternator
Make: MITSUBISHI
Model: A1T 25087

Type: Three phase alternator Power: 35 A, 0.42 kW

Battery(Number of accumulators): 1

Rating: 70 Ah at 20 hours

Exhaust system

Make:

Type:

Location:

ISHIKAWAJIMA SHIBAURA

Multi-chamber absorption-expansion type

Vertical on the left side of tractor

TRANSMISSION TO WHEELS

Clutch(travel and power take-off)

Make: DAIKIN
Model: 0015225151
Type: Double acting; Dry dual disk

Number of plates: 1

Diameter of plates: 225mm

Method of operation: Pedal operated

Gear box

Make: ISHIKAWAJIMA SHIBAURA
Type: Mechanical

Arrangement: 3 forward and 1 reverse speed gears

with 4 ranges

Number of gears: 12 forward and 4 reverse speeds

Rear axle and final drives

Make: ISHIKAWAJIMA SHIBAURA
Type: Bevel gear type differential;
spur gear final drives

Differential lock

Type: Differential lock in rear axle

Method of engagement: (Mechanical)

Method of engagement: Pedal operated

Method of disengagement: Self disengaged

Front axle and final drives

Make: ISHIKAWAJIMA SHIBAURA
Type: Bevel gear type differential and final
drives

Differential lock None

Total ratios and traveling speeds

Gear No.	 Group 	Number of engine revolutions for one revolution of the driving wheels	Nominal traveling speed at rated engine speed of 2500 rev/min km/h (*)
Forwa	rd		
1st	1-1	415.636	1.20
2nd	1-2	313.290	1.59
3rd	1-3	250.806	1.98
4th	2-1	179.283	2.77
5th	2-2	135.137	3.68
6th	2-3	108.185	4.60
7th	3-1	80.608	6.17
8th	3-2	60.759	8.19
9th	3-3	48.641	10.23
10t	4-1	40.304	12.35
11t	4-2	30.379	16.38
12th	4-3	24.320	20.46
Revers	se		
1st	1-R	289.072	1.72
2nd	2-R	124.690	3.99
3rd	3-R	56.062	8.87
4th	4-R	28.031	17.75

(*)Calculated with a tyre dynamic radius index of 528 mm.

Number of revolutions of front wheels for one revolution of rear wheels: 1.62

POWER TAKE-OFF

Main power take-off

Type:

Method of engagement:

Number of shafts:

Method of changing power take-off

shafts ends and speeds:

Semi-independent P.T.O. Operable by clutch pedal

None

Power take-off proportional to engine speed

540 rev/min

Location:

Diameter of power take-off shaft

Number of splines:

median plane

35mm

6, in conformity with ISO 500/1979, except that length of effective portion of splines is by 10 mm shorter than ISO standard

At rear of tractor in tractor's

520mm

Height above ground:

Distance from the median plane of the tractor:

Distance behind rear wheel axle: P.T.O. speed at rated engine speed: Engine speed at standard power

take-off speed:

Ratio of rotation speeds (engine

speed/p.t.o. speed):

Power restriction and maximum

Direction of rotation (viewed facing

driving end):

0 mm 266.5 mm 603 rev/min

2237rev/min

4.143

28.0kW, 530 N·m

Clockwise

POWER LIFT

Make:

Type:

Type of hydraulic system:

Type of linkage lock for

Type and number of cylinder:

Relief valve pressure setting: Opening pressure of cylinder safety ISHIKAWAJIMA SHIBAURA Hydraulic power lift in unit

construction

Open center, position control, floating position and flow control valve (two lever lift system with draft and position control: optional)

Single acting, 1

Hydraulically closed by flow

control valve

14.7+0.6 MPa

24.5+0.5 MPa

Gear pump

Directly driven by engine Replaceable cartridge, 1 In rear transmission case

Lift pump type:

Transmission between pump and

transport:

Type and number of filters: Site of oil reservoir:

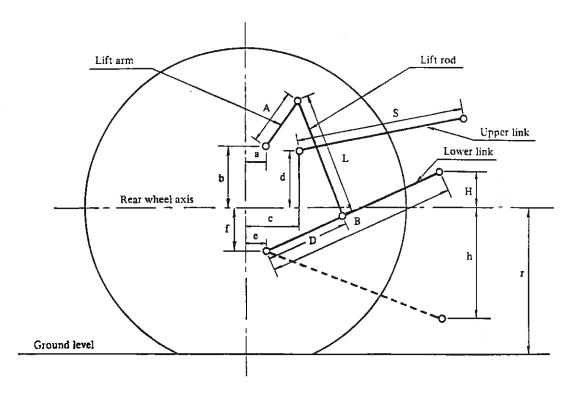
Type, number and location of tapping points: Maximum volume of oil available to external cylinders:

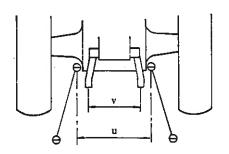
NPTF 3/8 tapping, 1, At right side of clutch housing

27 1

Three-point linkage Category:

In conformity with categories 1 in ISO 730/3-1982





<u>Lift test - Linkage geometry</u>

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

			Dimension or range		u	ettings sed in test			
				,	mm				mm
Length of lift arms		(A	7)	28	30				
Length of lower links		(E	3)	80)3				
Distance of lift arm pivot point from rear wheel axis	horizontally		ı) o)	_	19 33				
Horizontal distance between 2 lower link points	the	(u	1)	4	52				
Horizontal distance between 2 lift arm end points	the	(7	7)	52	24				
Length of upper link		(8	3)f	rom	440	to	700		700
Distance of upper link pivot point from rear wheel axis	horizontall; vertically			248. 230,	5 , 26 0	ı			260
Distance of lower link pivot point from rear wheel axis	horizontall; vertically			30 115					
Distance of lower link pivot points to lift rod pivot points on lower links		(1	D)	375					
Length of lift rods		(1	և)ք	rom	400	to	475		400
Height of lower hitch points relative to the rear wheel a in low position in high position	; .xis				148 198				340 345
Height above ground of low hitch points when locked transport position(*)	er	from	-7	to	860	f	rom	175	to 86

^(*) Assuming r = dynamic radius index (ISO 4251/1-1984). 515 mm

SWINGING DRAWBAR

Optional, not fitted on tested tractor

TRAILER HITCH

Type: Hole diameter:

Extension type 26 mm

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BRAIN

Height above ground:

348 mm

Distance of hitch point from rear wheel

axis, horizontally:

From 442 to 622 mm

Distance of hitch point from power

take-off shaft end

Vertically:

179 mm

Horizontally: From 176 to 356 mm

Maximum vertical permissible load:

4.9 kN

HOLED DRAWBAR

Number of holes:

Distance between holes:

Hole diameter: Thickness/width of the drawbar:

Height above ground

Minimum:

0 mm 860 mm

80 mm 22 mm

25/75 mm

Maximum: Horizontal distance to power take-off

shaft end (rear):

564 mm

STEERING

Make: Model:

Type:

Method of operation:

Pump:

Ram:

Working pressure:

SUMITOMO EATON UBS 100B16A2A Hydrostatic steering

Steering wheel operated hydraulically

Gear type

One double acting cylinder

9.8 MPa

BRAKES

Service brake

Make:

Type:

Method of operation:

ISHIKAWAJIMA SHIBAURA Wet disc, internal sliding

mechanically

Pedal operated, divided pedal of service brake, for normal use

locked together

Trailer braking take-off:

None

Parking brake

Type:

Method of operation:

In common with service brake Depressed by brake pedals and

latched by hand lever

WHEELS

Number

Front: Rear:

Wheelbase:

2, driving/steering

2, driving 1650 mm

Track width adjustment

	Minimum mm	Maximum mm	Adjustment method
Front	1170	_	Not available
Rear	1100	1490	Interchanging right and left wheels, and/or resetting rim and disc

PROTECTIVE STRUCTURE

Make:

ISHIKAWAJIMA SHIBAURA

Model:

FORD 19SA 9072

Type:

2-post frame of steel tube

Manufacturer's name and address:

ISHIKAWAJIMA SHIBAURA MACHINERY Co.,Ltd. Ishishiba 1-1-1 Matsumoto City, Nagano,

Japan

Protective device

Frame, not tiltable

O.E.C.D. approval number:

None

DRIVER'S SEAT

Make:

BOSTROM

Type of suspension:

Coil spring

Type of damping:

Rubber

Range of adjustment Longitudinal:

120 mm

Vertical:

30 mm

LIGHTING

	Height above ground of center	Size	Distance from outside edge of tractor to median plane
	mm	mm	mm _
Headlights	1090	108x65	613
Flashers	1413	ø119	165
Rearlights	1273	56.5x56.5	250
Reflectors	1167	64.5x45	253

TEST CONDITIONS

Overall dimensions

Length: Width	3079 mm
Minimum: Maximum:	1390 mm 1778 mm
Height Top of protective structure: Top of exhaust:	2150 mm 2028 mm
Ground clearance (unballasted tractor):	290 mm

Clearance-limiting part: Front differential case

Tractor mass (with frame)

		Without driver kg	With driver kg
	Front	560	575
Unballasted	Rear	718	778
	Total	1278	1353
	Front	682	693
Ballasted	Rear	1173	1237
	Total	1855	1930

Ballast

	Number of weights	Mass (total) kg	Water kg
Front	_	_	_
Rear	10	300	187
Additional	3	90	-

Tyres and track width specifications

	Front wheels	Rear wheel	8
Tyres: Dimensions Ply rating Type	7-14 4 Cross-ply	11.2-24 4 Cross-ply	
Maximum load (tyre manufacturer's):	3.63	8.29	(kN)
Inflation pressure (tyre manufacturer's): Dynamic radius index: Chosen track width:	180 322 1170	120 515 1215	(kPa) (mm) (mm)

Oils and lubrication

Capacity and change interval

	Capacity l	Oil change h	Filter change h
Engine	4.5	100	200
Gear box	27	300	300
Front axle	5.0	300	_
Rear axle		with gear box	
Final drive (front)	In common	with front axle	
Final drive (rear)	In common	with gear box	
Hydraulic system	In common	with gear box	
Steering	1.8	600	

Specifications (SAE, API)

	Recommended	Used during test
Engine oil		SAE 10W/30
Туре:	Below 0°C	
- J F - S	SAE 10W or SAE 10W/30	
	From 0°C to 25°C	
	SAE 20 or SAE 10W/30	
	Over 25°C	
	SAE 30 or SAE 10W/30	
Viscosity:	68.2 cSt at 40°C	
-	11.4 cSt at 100°C	
Classification:	API CC or CD	
Transmission oils		As recommended
Type:	SAE 80	
Viscosity:	72.27 cSt at 40°C 9.30 cSt at 100°C	
Classification:	API GL-4	
Hydraulic fluid		As recommended
Type:	In common with transmission	
	oils	
Steering oil		As recommended
Туре:	SAE 32	
Viscosity:	32.0 cSt at 40°C	
	5.5 cSt at 100°C	
Classification:	API GL-3	
Grease		
Number of lubric	ation points: 10	

<u>Fuel</u>

Type:

Density at 15°C:

Diesel fuel, No.2 in conformity with JIS (Japanese Industrial Standard) 0.835g/cm³

TEST RESULTS

COMPULSORY TESTS RESULTS

(1) MAIN POWER TAKE-OFF

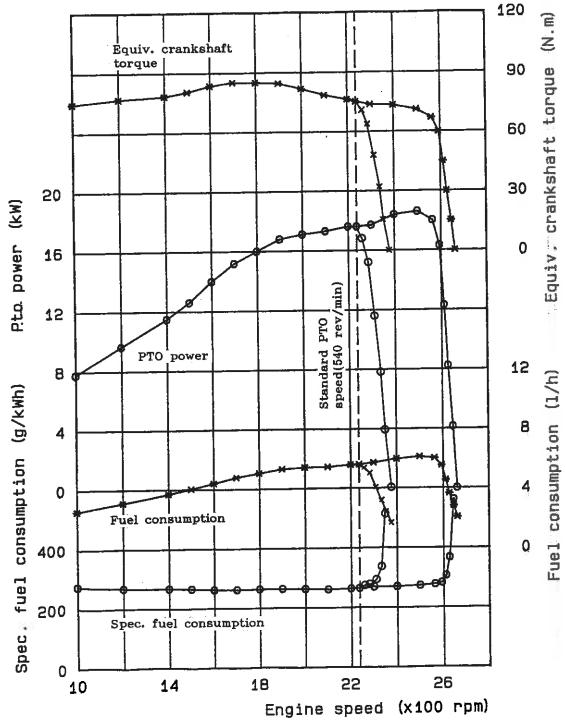
Date and location of tests: Type of dynamometer: 8th Dec., 1987, BRAIN, Omiya DC electrical, MEIDENSHA EB-DH1

.	Spe	eed	F	uel consum	ption	 Specific
Power	Engine	P.T.O.	Но	urly	Specific	energy
kW	rev/min	rev/min	kg/h	1/h	g/kW·h	kW·h/l
1.1	Maximum)	power - S	2-hour t	est		w
18.60	2500	604	5.10	6.12	274	3.04
1.2	Power at	rated e	ngine sp	eed		
18.60	2500	604	5.10	6.12	274	3.04
1.3	Standard	power to	ake-off	speed(540	rev/min)	
17.59	2237	540	4.67	5.61	265	3.14
1.4.1	Part load		onding to	maximum po	ower at rated	engine spee
		e corresp	5.10	6.12	274	3.04
18.60	2500	torque				0.01
1.4.2	2594	626	4.61	5.54	283	2.94
1.4.3	75 % of	torque	defined	in 1.4.2		
12.27	2612	630	3.77	4.53	307	2.71
1.4.4	50 % of	torque	defined	in 1.4.2		
8.23	2627	634	3.02	3.63	367	2.27
1.4.5	25 % of	torque	defined	in 1.4.2		
4.14	2646	638	2.33	2.80	562	1.48
1.4.6	Unloade	d				
0.0	2662	643	1.70	2.04	_	0.0

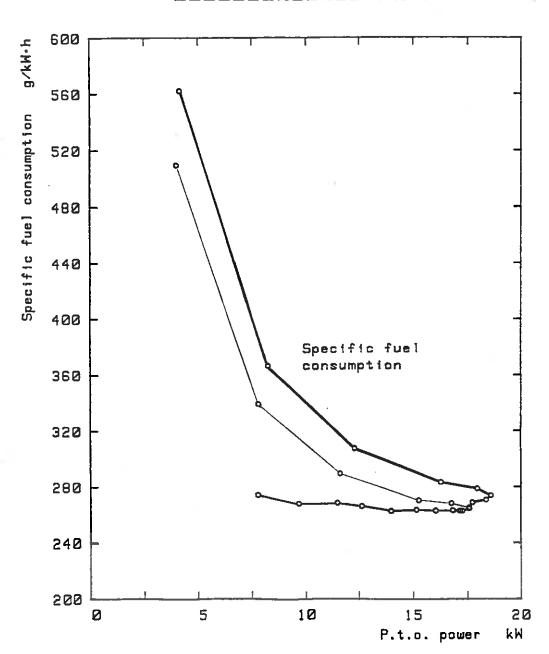
1.5 Part loads at standard power take-off speed (540 rev/min)

Davian	Spe	eed	l F	uel consum	ption	
Power	Engine	P.T.O.	Ho	urly	Specific	Specific energy
kW	rev/min	rev/min	kg/h	1/h	g/kW·h	kW·h/l
1.5.1	The to	rque cor	respondi	ng to maxim	num power	
17.60	2237	540	4.67	5.61	265	3.14
1.5.2	85 % of	ftorque	obtained	d in 1.5.1		
15.25	2286	552	4.13	4.97	271	3.07
1.5.3	75 % of	ftorque	defined	in 1.5.2		
11.60	2315	559	3.36	4.04	290	2.87
1.5.4	50 % of	torque	defined	in 1.5.2		
7.82	2336	564	2.65	3.19	339	2.45
1.5.5	25 % of	torque	defined	in 1.5.2		
3.97	2353	568	2.03	2.44	512	1.63
1.5.6	Unloade	d			· · · · · · · · · · · · · · · · · · ·	
0.0	2378	574	1.39	1.67	_	0.0
	l maximum			aximum powe	r:	2662 rev/min 71.0 N·m
Maximu: (engine	m torque :	(equivalen 1700 rev/	t cranksh min)	aft):		85.2 N·m
Temp Pres	tmospheric erature: sure: ive humid		IS			21 °C 103.4 kPa 17 %
Cools Engi: Fuel:	ne oil:					79 °C 103 °C 27 °C 26 °C

P.T.O. PERFORMANCE



P.T.O. PERFORMANCE



(2) HYDRAULIC POWER AND LIFTING FORCE

Date of tests: 10th Dec., 1987

2.1 Hydraulic power test

Sustained pressure with relief valve open:

15.3 MPa

(pump not stalled)

Pump delivery rate at minimum pressure:

29.85 1/min

Flow rate corresponding to a hydraulic pressure equivalent to 90 per cent of the actual relief valve pressure setting and corresponding hydraulic power

Flow rate: Pressure: Power:

27.68 1/min 13.72 MPa 6.33 kW

Flow rate and hydraulic pressure corresponding to maximum hydraulic power

Flow rate: Pressure: Power:

29.10 l/min 13.53 MPa 6.56 kW

Tapping point used for test: At right side of clutch housing

Opening pressure of the unloading valve:

Not applicable

Closing pressure of the unloading valve:

Not applicable

2.2 Power lift test

	Height of lower hitch points above ground in down position	movement 	corrected force exerted		Moment about rear wheel axle	Maximum tilt angle of mast from vertical
	mm	mm	kN	MPa	kN·m	Degrees
At hitch points	i i 175	685	10.14	13.5	_ %	_
On the frame	1 1 150	923	6.24	13.5	9.00	20

Linkage setting for test - see page 7 and 8.

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

mm	-270	-225	-200	-100	0	100	200	300	400	460	500	575
Lift	ting fo	orces (at hitc	h poin	ts (co	rrespo	nding	pressi	ıre 1	3.5 MPa	ι)	
kN	_	10.14	10.31	10.80	10.85	10.62	10.71	10.97	11.40	11.40	_	_
Lift	ing fo	rces a	it test	frame	(corr	espond	ling p	ressur	e 13.5	MPa)		
	9.55		9.52		_				7.02			

ي نة	, as	conditions	Pressure	kPa		102.8	02	oi.	200	100	20	ا iہ				102.8		102.8		102.8		102.8		0 00	104.0
press	7-14 180 kFa 7-24 120 kPa	ان	Relative	34		09	209	62	220	200	229	62				62		62		62	in 2.1.1	62	in 2.1.2		20
Tyre size and	Front: 7- Rear: 11.2-2	Atmospheri	-	200		77	 	101	01	0.5	201	10			(£)	10		6		6	speed as	6	Poore	S poods	20
-		ture		ပ္ပ		80	4	- 00	88	4.0	- t-	96				97		83		87	velling	98	11,500		824
	祖祖	Temperature	Coolant Engine	200		63	20.5	0 (C)	64	Ф	25	59			кп/ћ	7.7		51		47	and trav	38) I	and tra	38
(<u>H</u>	nd: 334		Fuell			19	 20 20 	72	217	23	 886 886 886 886 886 886 886 886 886 8	22			to 7.5	23		17		18	pull	ğ	1	e pull	18
ED TRACTOR	bove grou	Specific	energy	kW·h/l		١٩.	ů.	4.0		٠.		2.358			nearest	2.385	speed	2.211	speed	1.910	peed; same	٩	*0**7	peed; sam	2.111
(UNBALLASTED	drawbar above ground:	Specific	fuel onsump-	tion g/kW·h		817	658	1851 1451	416	402	366	351			power and	347	r at rated	377	r at rated	436	engine spe	000		engine spe	394
	Height of	1-	of wheels	%	ı E	15.0	S	15.0	O IC	טו נ	4	—— ∞			maximum	8.9	un power	4.1	um powel	2.0	educed		- 1	reduced	1.9
FUEL CONSUMPTION		Tod: no	speed	rev/min	ested gears	1 40	É	9	ΩĽ	յ տ	щ.	2498 2502			ear at m	2498	t meximum	2577	at maximum	2600	Ta Tag	3	2070	ear at r	2080
. 1	c., 1987 te	Pood		km/h	in tes	9	4	<u> </u>	4.0	10		9.66		ion	<i>p</i> 0	4	pull a	1 7 99	pull		100	Suct o	7.99	higher ge	8.24
DRAWBAR POWER AND	Date of tests: 10th Dec., Type of track: Concrete		Gearl Fower Dull	KN	DOWEL B		1.0	0) C	.0	7.16		consumption	In selected		75 % of	IΩ	50 % of	9	1	1	5.39	Next hi	3.63
DRAWBAE	of tests		Fower	KW	Maximum	196 %	1 67	4.	ri,		• ∞ • ∞	114.82		Fuel c	,	14.82	-		1	: -	; ·	2	11.97	.1.4	8.31
(3)	Date Type		Gear		-	٠ -	1-2	1-1	2-1	73 C	36.	1 1	•	63	2				\ \°		۱ (3-3	67	3-3

|Fuel|Coolant|Engine|Tempera-|Relative|Pressure

| humidity

ture

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| **oi**1 | oc

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tion | g/kW·h | kW·h/l

96

|km/h |rev/min|

Ä

Κ¥

кРа

Atmospheric conditions

Temperature

|Specific|Specific|

Gear! Power! Drawbar! Speed! Engine

pull

speed

fuel | energy

|wheels|consump-

OPTIONAL TEST RESULTS

R)
TRACTO
LLASTED
ANCE(BA
PERFORM
DRAWBAR
(4)

Tyre size and pressure:	Front: 7-14 180 kPa	Rear: 11.2-24 120 kPa
		Height of drawbar above ground: 314 mm
	Date of tests: 11th Dec., 1987	Type of track: Concrete

Maximum power in tested		gears	(with ba	bailast)											
	26	25	15.0	695		1.196	20		53	83	 -	11	7	2	102.1
1.37	26	2601	15.0	559	_	1.485	20		31	84	_	11	2	N	102.1
_	25	- 22 -	15.0	520	_	1.599	20	_	- 121	86	_	11	_	N	102.1
-8 -2	40	97 -	15.0	450	_	1.846	19	_	- 88	87	-	10	_	10	102.1
	40	2571	15.0	404	_	2.052	21	_	- 22	91	-	10	7	ıo	102.1
	4	101	12.8	382	_	2,177	20	_	99	88	_	10	7	10	102.1
	4	82	9.3	355	_	2.340	21	~	83	06	_	6	- -	ω	102.1
••	4	2457	4.7	350	_	2.374	21	_	. 25	91	-	o,	- œ		102.1

(5) NOISE MEASUREMENT AT THE DRIVER'S EAR

Date of tests: 19th Dec., 1987

Sound level meter Make: RION

Model:Impulse sound level meter

Type: NA-61

Type of track:Concrete

Gear number	Drawbar pull	Measured travelling —	Sour	nd level
number	pun	speed	Front engaged	Front disengaged
	kN	km/h	dB(A)	dB(A)
Unloaded	test in the	gear giving the	speed nearest to	7.5 km/h
3-2	light load	8.17	89	88.5
Unloaded	test in the	gear giving the	maximum speed	
4-4	light load	21.24	88.5	88.5
Test with maximum nominal s	the drawbar sound level	r pull for which [combination of km/h and also in	the tractor give gear giving the n any gear with	es the nearest
3-2	rease of at le	7.49	89	88.5

REPAIRS AND ADJUSTMENTS DURING TESTS

None

REMARKS

None

