Report on test in accordance with
O.E.C.D. STANDARD CODE 1 for the Official
Testing of Agricultural Tractor Performance

FULL CODE

O.E.C.D. Approval No. : 1/1927
Date of approval : 6th October, 2000



Agricultural Tractor

DAEDONG LK3504(4WD)

Manufactured by : DAEDONG INDUSTRY Co., Ltd.
1-12, Buk-ri, Nongong-eub, Dalsung-kun,
Daegu-city, KOREA

NATIONAL AGRICULTURAL MECHANIZATION RESEARCH INSTITUTE
249, Seodun-dong, Kwonson-gu, Suwon-city, Kyunggi-do, Republic of Korea

This is a report on a tractor test in accordance with the OECD STANDARD CODE for the Official Testing of Agricultural Tractor Performance(C(87)53(Final), Code 1) and amendments (C(90)79, C(92)52, C(93)52, C(93)133, C(95)17) and C(99)23).

It does not contain an evaluation of the tractor on practical work

Report No. : 99-M-5-11
Duration of test : March till July, 2000
Date of approval : 6th October, 2000

This report has been approved by the OECD Co-Ordinating Centre (CEMAGREF, France) as being in accordance with the OECD STANDARD CODE 1.

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/㎠	=	98.0665 kPa

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- Tractor manufacturer's name and address :	Daedong Industry Co., Ltd 1-12, Buk-ri, Nongong-eub, Dalsung-kun, Daegu-city, Korea
- Location of tractor assembly :	1-12, Buk-ri, Nongong-eub, Dalsung-kun, Daegu-city, Korea
- Submitted for test by :	The manufacturer
- Selected for test by :	The manufacturer in agreement with the test station
- Place of running-in :	Daedong Industry Co., Ltd
- Duration of running-in :	Engine and tractor 58 hours
- Location of test :	NAMRI

1. SPECIFICATIONS OF TRACTOR

1.1 IDENTIFICATION

- Make :	Daedong
- Model :	LK3504
- Type :	Wheeled tractor, unit construction
- Number of driving wheels :	4
- Serial No. :	923500138
- 1st Serial No. :	927500001

1.2 ENGINE

- Make :	Own make
- Model :	3A165B
- Type :	4 stroke, water cooled, indirect diesel, naturally aspirated
- Serial No. :	937600027

1.2.1 Cylinders

- Number/disposition :	3 / Vertical in-line
- Bore/stroke :	87 mm / 92.4 mm
- Capacity :	1647 ㎤
- Compression ratio :	22.0 : 1
- Arrangement of valves :	Overhead
- Cylinder liners(wet or dry) :	None

1.2.2 Supercharging :	None

1.2.3 Fuel system

- Fuel feed system :	Forced feed type
- Fuel filters	
· Make :	Buil
· Model :	None
· Type :	Replaceable element
- Capacity of fuel tank :	28 dm³

- Injection pump
  - Make : Doowon
  - Model : PFR 3KD
  - Type : Bosch, type k
  - Serial No. : None
- Manufacturer's production setting of injection pump
  - Flow rate : 7.30±0.35 dm³/h at rated engine speed and full load
  - Timing : 19 degrees before T.D.C
- Injectors
  - Make : Doowon
  - Model : None
  - Type : Throttle type
- Injection pressure : 13.7~14.7 MPa

1.2.4 Governor
- Make : Hanil
- Model : None
- Type : Centrifugal ball mechanical
- Governed range of engine speed : From 850±50 to 2900±50 rev/min
- Rated engine speed : 2700 rev/min

1.2.5 Air cleaner
- Pre-cleaner : None
- Main-cleaner
  - Make : Namsin
  - Model : None
  - Type : Dry
  - Location of air intake : Under the bonnet, in front of the radiator
- Maintenance indicator : None

1.2.6 Lubrication system
- Type of feed pump : Rotor
- Type of filter(s) : Full flow, cartridge type
- Number of filters : 1

1.2.7 Cooling system
- Type of coolant : Water or water and antifreeze solution
- Type of pump : Centrifugal
- Specification of fan : Belt driven, puller
  - Number of fan blades : 7
  - Fan diameter : 380 mm
- Coolant capacity : 7.0 dm³
- Type of temperature control : Wax type thermostat
- Superpressure system : 88.2 kPa, at radiator cap

1.2.8 Starting system

- Make : Valleo-Mando
- Model : MG117559
- Type : Electrical, pre-engaged, solenoid operated
- Starter motor power rating : 1.7 kW
- Cold starting aid : Electrical glow plug
- Safety device : Starting operable only when main clutch pedal fully depressed

1.2.9 Electrical system

- Voltage : 12 V
- Generator
  - Make : Valleo-Mando
  - Model : AG-135DA
  - Type : 3 phase generator
  - Power : 0.42 kW
- Battery of accumulators
  - Number : 1
  - Rating : 80 Ah at 20 hours rating

1.2.10 Exhaust system

- Make : Sindong
- Model : None
- Type : Silence
- Location : On the left side of engine cowling, vertical position

1.3 TRANSMISSION

1.3.1 Clutch(travel and power take-off)

- Make : Pyeong-Hwa
- Model : None
- Type : Dry single plate
- Number of plates : 1
- Diameter of plates : 225 mm
- Method of operation : Mechanically actuated by pedal

1.3.2 Gear box

- Make : Daedong-Gear
- Model : None
- Type : Mechanical
- Description 4 main gear with constant-mesh
  2 range gear with constant-mesh
  8 forward and 8 reverse

	Forward	Reverse
Number of gears	4	4
Number of ranges	2	2
Total of arrangements	8	8

- Available options : None

1.3.3 Rear axle and final drives

- Make : Daedong-Gear
- Model : None
- Type : Bevel gear type differential and helical gear type final drives
- Differential lock
  - Type : Mechanical
  - Method of engagement : Mechanically actuated by foot pedal
  - Method of disengagement : Self-disengagement by spring

1.3.4 Front axle and final drives

- Make : Daedong Gear
- Model : None
- Type : Bevel gear differential and bevel gear type final drives
- Differential lock : None

1.3.5 Total ratios and travelling speeds

Gear No	Group or range	Number of engine revolutions for one revolution of the driving wheels		Nominal travelling speed(*) at rated engine speed of 2700 min^{-1}(rev/min) km/h	
		Forward	Reverse	Forward	Reverse
1	L-1	384.908	422.226	1.43	1.30
2	L-2	277.737	304.665	1.98	1.80
3	L-3	195.509	214.464	2.81	2.56
4	L-4	125.208	137.369	4.39	4.00
5	H-1	82.619	90.629	6.65	6.06
6	H-2	59.615	65.395	9.22	8.41
7	H-3	41.965	46.034	13.10	11.94
8	H-4	26.879	29.486	20.45	18.64

(*)Calculated with a tyre dynamic radius index of 540 mm(ISO 4251-1:1992)

Number of revolutions of front wheels for one revolution of rear-wheels : 1.630
Range selection : L = Low, H = High

1.4 POWER TAKE-OFF

1.4.1 Main power take-off

- Type : Not independent(transmission-driven)
- Method of engagement : Mechanically engaged by pedal
- Number of shafts : 1
- Method of changing power take-off shaft speeds : Speed change manually by hand lever

1.4.1.1 Power take-off proportional to engine speed

Power take-off at 540min^{-1}(rev/min)

- Location : 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 : 541 mm
- Distance from the median plane of the tractor : 0 mm
- Distance behind rear-wheel axis : 223 mm
- PTO speed at rated engine speed, and engine speed at standard power take-off speed:

PTO speed (rev/min)	Engine speed (rev/min)	Engine/PTO transmission ratio
559	2700	4.833
540	2610	

- Power restriction : None
- Maximum torque transmissible : None
- Direction of rotation(viewed from behind tractor) : Clockwise

Power take-off at 1000 min^{-1}(rev/min)

- Location: Rear of the tractor
- Diameter of power take-off shaft: 35 mm
- Number of splines: 6, in conformity with ISO 500/1991
- Height above the ground: 541 mm
- Distance from the median plane of the tractor: 0 mm
- Distance behind rear-wheel axis: 223 mm
- PTO speed at rated engine speed, and engine speed at standard power take-off speed:

PTO speed (rev/min)	Engine speed (rev/min)	Engine/PTO transmission ratio
1028	2700	2.626
1000	2626	

- Power restriction: None
- Maximum torque transmissible: None
- Direction of rotation (viewed from behind tractor): Clockwise

1.4.1.2 Power take-off proportional to ground speed : None

1.4.2 Optional power take-off : None

1.5 HYDRAULIC POWER LIFT

- Make : Daemyung
- Model : None
- Type : Hydraulic, three hitch point
- Type of hydraulic system : Open center system
- Type and number of cylinders : 1, Single acting

- Type of linkage lock for transport :	Hydraulic
- Relief valve pressure setting :	16.9±0.5 MPa
- Opening pressure of cylinder safety valve :	Not fitted
- Lift pump type :	Gear pump
- Transmission between pump and engine :	Driven by engine cam shaft
- Type and number of filters :	Cartridge type, 1
- Site of oil reservoir :	Transmission housing
- Type, number and location of tapping points :	None
- Maximum volume of oil available to external cylinders :	None

1.6 THREE POINT LINKAGE

- Category : 1, in conformity with ISO730-1:1994+Cor.1:1995
- Category adapter : None

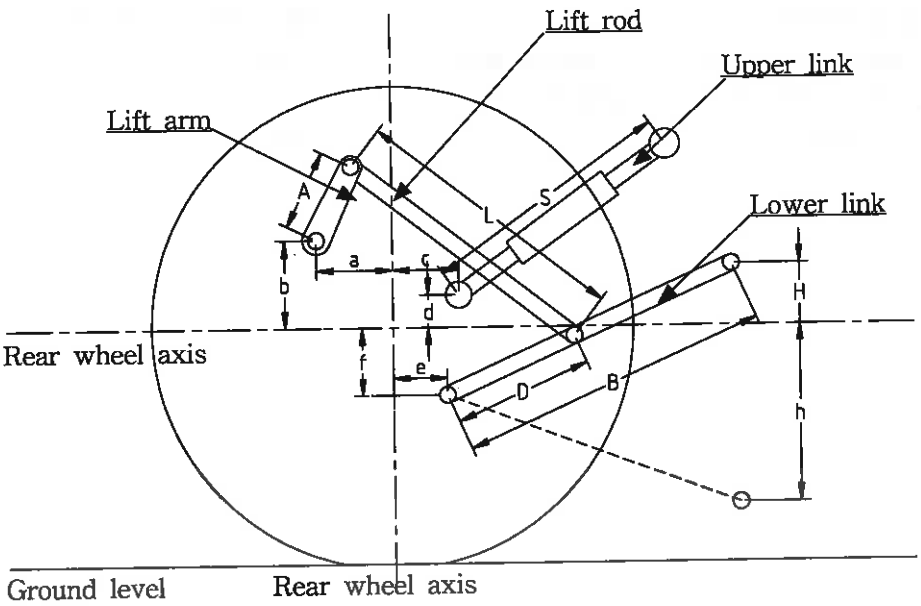


Figure 1.1

Lift test-Linkage geometry

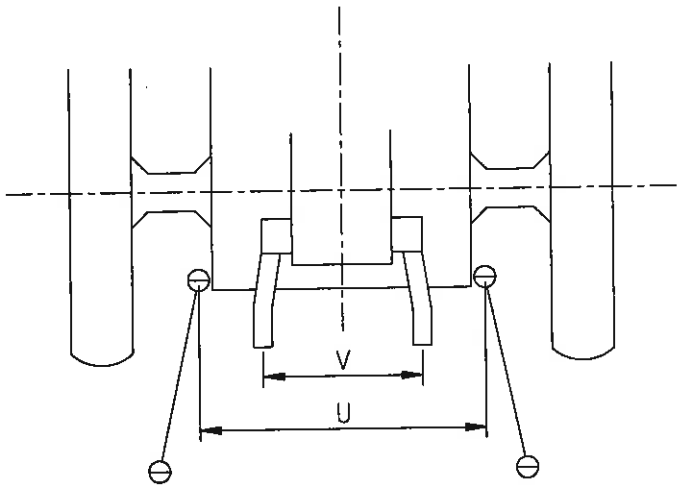


Figure 1.2

Lift test-Linkage geometry

		Dimension or range (mm)	Settings used in test (mm)
Length of lift arms :	(A)	235	235
Length of lower links :	(B)	645	645
Distance of lif arm pivot point from rear-wheel axis :			
- horizontally	(a)	5	5
- vertically	(b)	265	265
Horizontal distance between the 2 lower link points:	(u)	298	298
Horizontal distance between the 2 lift arm end points:	(v)	370	370
Length of upper link:	(S)	from 480 to 755	550
Distance of upper link pivot point from rear wheel axis:			
- horizontally	(c)	177	177
- vertically	(d)	from 178 to 268	268
Distance of lower link pivot point from rear wheel axis:			
- horizontally	(e)	126	126
- vertically	(f)	75	75
Distance of lower link pivot point to lift rod pivot points on lower links:	(D)	from 305 to 355	355
Length of lift rods:	(L)	from 408 to 458	450
Height of lower hitch points relative to the rear-wheel axis:			
- in low position	(h)	from 245 to 385	340
- in high position	(H)	from 175 to 280	175
Height above ground of lower hitch points when locked in transport position(*)		Any height within lifting range	
(*)Assuming r = 540mm tyre dynamic radius index of ISO 4251/1-1992			

Table 1.1
Dimensions of linkage geometry
when connected to the standard frame

1.7 SWINGING DRAWBAR

- Type : Hole type
- Height above ground : 330 mm
- Type of adjustment : None
- Distance of hitch point from rear wheel axis, horizontally : 590 mm
- Distance of hitch point from power take-off shaft end
  - Vertically : 180 mm
  - Horizontally : 320 mm
- Lateral adjustment (center of clevis)
  - Right hand : 130 mm
  - Left hand : 130 mm
- Distance of pivot point from rear wheel axis, horizontally : 160 mm
- Diameter drawbar pin hole : 20 mm
- Maximum vertical permissible load : 6.3 kN

1.8 TRAILER HITCH : None

1.9 HOLED DRAWBAR : None

1.10 STEERING

- Make : NPSK
- Model : None
- Type : Mechanical
- Method of operation : Operated mechanically and supported with hydraulic fluid
  - Pump(s) : Gear pump
  - Ram(s) : None
- Working pressure : 10.3 MPa

1.11 BRAKES

1.11.1 Service brake

- Make : Jin-Myoung
- Model : None
- Type : Oil-immersed multiplate disc
- Method of operation : Operated by 2 foot pedals which can be locked together
- Trailer braking take-off : None

1.11.2 Parking brake

- Type : Mechanical in common with service brake
- Method of operation : Depressed by pedals and ratched by hand lever

1.12 WHEELS

- Number
  - Front : 2, steering and driving
  - Rear : 2, driving
- Wheelbase : 1670 mm
- Track width adjustment :

	Minimum	Maximum	Adjustment
	mm	mm	method
Front	1020	1020	None
Rear	1135	1214	By reversing wheels and offset lug rims

1.13 PROTECTIVE STRUCTURE : Not fitted

1.14 SEAT

1.14.1 Driver's seat

- Make : Young-Jin
- Model : None

- Type : Upholstered seat with back rest
- Seat and steering wheel reversible : No
- Type of suspension : Spring
- Type of damping : None
- Range of adjustment
  - Longitudinally : 100 mm
  - Vertically : None
- Safety belt : None

1.14.2 Optional driver's seat(s) : None

1.14.3 Passenger seat : None

1.15 LIGHTING

	Height above ground of center	Size	Distance from outside edge of lights to median plane of tractor
	mm	mm	mm
Head lights	985	144×88	158
Side lights	1270	ϕ 115	489
Rear lights	1180	ϕ 80	442
Reflectors	1180	ϕ 36	442

2. TEST CONDITIONS

2.1 OVERALL DIMENSIONS

	Length	Width		Height at top of
		minimum	maximum	exhaust silencer
	mm	mm	mm	mm
Ballasted	3050	1240	1485	2040
Unballasted	2860	1240	1485	2040

2.2 GROUND CLEARANCE(unballasted tractor) : 281 mm

- Clearance-limiting part : Drawbar frame

2.3 TRACTOR MASS

- Mass(without frame)

	Ballasted		Unballasted	
	Without driver	With driver	Without driver	With driver
	kg	kg	kg	kg
Front	587	593	515	521
Rear	646	715	646	715
Total	1233	1308	1161	1236

2.4 BALLAST

	Weights		Water
	Number	Total mass	
		kg	kg
Front	4	72	-
Rear	-	-	-
Optional	-	-	-

2.5 TRACK SPECIFICATIONS : None

2.6 TYRES AND TRACK WIDTH SPECIFICATIONS

	Front	Rear
Tyres :		
dimensions	7-16	12.4-24
ply rating	4	6
type	Diagonal	Diagonal
maximum load(tyre manufacturer's)	4.6 kN	13.1 kN
maximum load(tractor manufacturer's)	4.6 kN	13.1 kN
inflation pressure(tyre manufacturer's)	177 kPa	157 kPa
dynamic radius index	347 mm	540 mm
Chosen track width	1020 mm	1135 mm

2.7 FUEL

- Type : Diesel fuel No. 2 in conformity with Korean standard(KS M 2620)
- Density at 15℃ : 0.824 g/㎤

2.8 OILS AND LUBRICANTS

2.8.1 Capacity and change interval

	Capacity	Oil change	Filter change
	dm³	h	h
Engine	5.8	100	200
Gear box, rear axle, steering and final drives in common with hydraulic system	26	300	200
Front axle and final drives	2.5	300	-

2.8.2 Specifications

	Recommended	Used during test
Engine oil · Type : · Viscosity : · Classification :	 SAE 15W-40 105-110 cSt at 40℃ API CD-4	Same
Transmission oils, Hydraulic fluid Steering oil · Type : · Viscosity : · Classification :	 Gear oil, Daedong TF65 60-68 cSt at 40℃ API GL-4	Same

2.8.3 Grease :

- Number of lubrication points : 9

3. COMPULSORY TESTS RESULTS

3.1 MAIN POWER TAKE-OFF

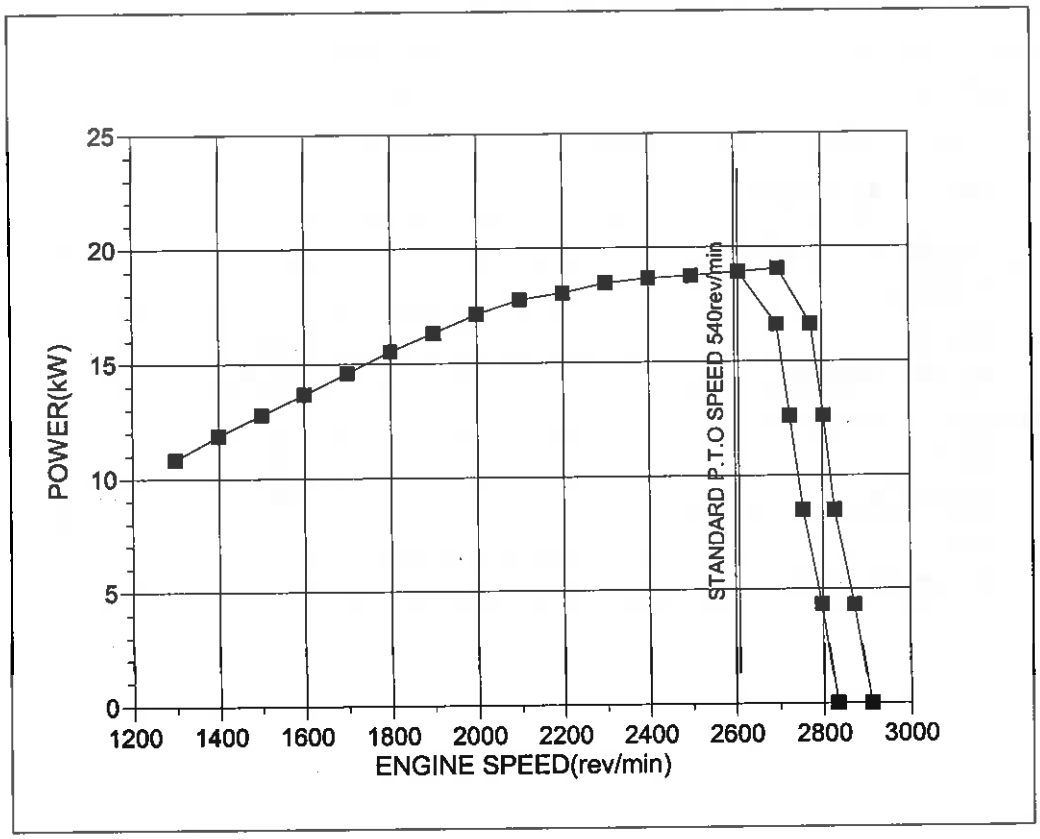
- Date and location of tests : 22th to 23th May, 2000, NAMRI, Konjiam
- Type of dynamometer bench : Eddy Current, FROUD AG 250

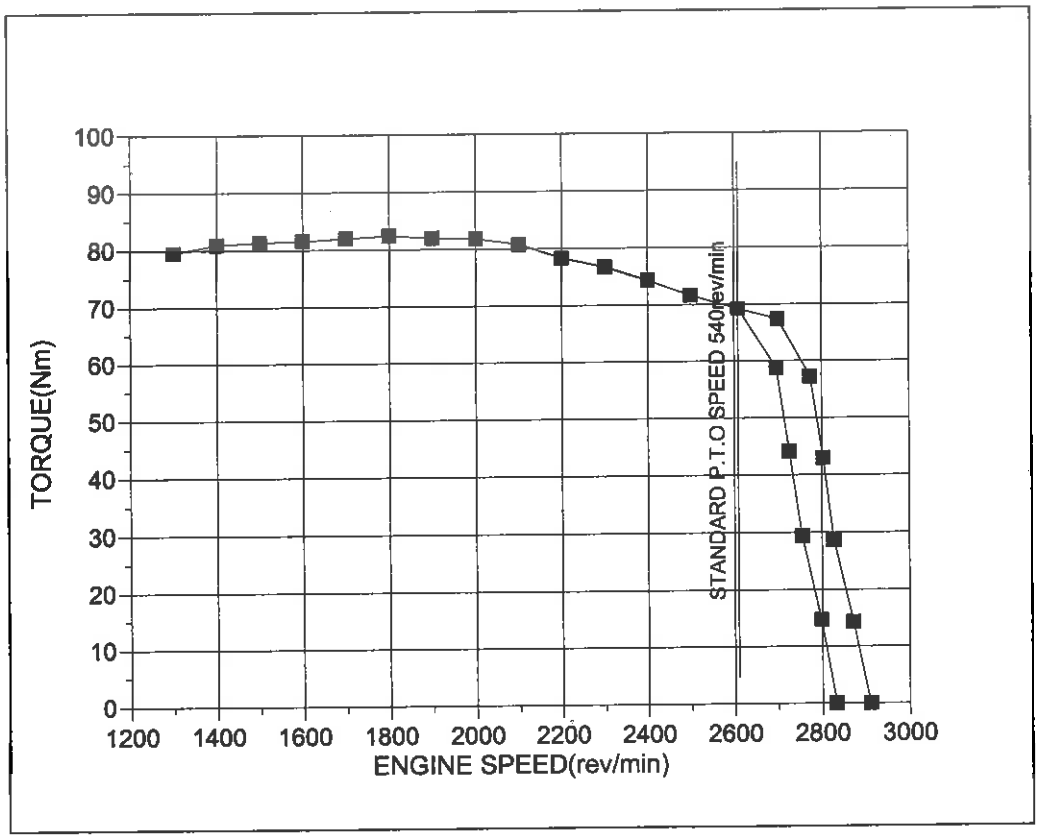
Power	Speed		Fuel consumption			Specific energy
	Engine	P.T.O	Hourly		Specific	
kW	rev/min	rev/min	kg/h	ℓ/h	g/kWh	kWh/ℓ
3.1.1 MAXIMUM POWER - 2 HOURS TEST						
19.05	2700	559	6.03	7.32	317	2.603
3.1.2 POWER AT RATED ENGINE SPEED						
19.05	2700	559	6.03	7.32	317	2.603
3.1.3 STANDARD POWER TAKE-OFF SPEED (540±10 rev/min)						
18.91	2610	540	5.92	7.19	313	2.632
3.1.4 PART LOADS						
3.1.4.1 The torque corresponding to maximum power at rated engine speed						
19.05	2700	559	6.03	7.32	317	2.603
3.1.4.2 85% of torque obtained in 3.1.4.1						
16.63	2774	574	5.56	6.74	334	2.467
3.1.4.3 75% of torque defined in 3.1.4.2						
12.61	2803	580	4.62	5.61	367	2.248
3.1.4.4 50% of torque defined in 3.1.4.2						
8.48	2827	585	3.83	4.65	452	1.823
3.1.4.5 25% of torque defined in 3.1.4.2						
4.30	2871	594	3.08	3.74	717	1.150
3.1.4.6 Unloaded						
0	2910	602	2.43	2.95	-	-
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						
18.91	2610	540	5.92	7.19	313	2.632
3.1.5.2 85% of torque obtained in 3.1.5.1						
16.61	2697	558	5.58	6.77	336	2.455
3.1.5.3 75% of torque defined in 3.1.5.2						
12.59	2726	564	4.52	5.49	359	2.294
3.1.5.4 50% of torque defined in 3.1.5.2						
8.48	2755	570	3.74	4.53	440	1.871
3.1.5.5 25% of torque defined in 3.1.5.2						
4.31	2798	579	2.98	3.62	693	1.190
3.1.5.6 Unloaded						
0	2832	586	2.30	2.80	-	-

- No load maximum engine speed : 2910 rev/min
- Torque (equivalent crankshaft) at maximum power
  - At rated engine speed : 67.4 Nm
  - At 2 hours test : 67.4 Nm
- Maximum torque(equivalent crankshaft) : 82.4 Nm
  (engine speed : 1800rev/min)

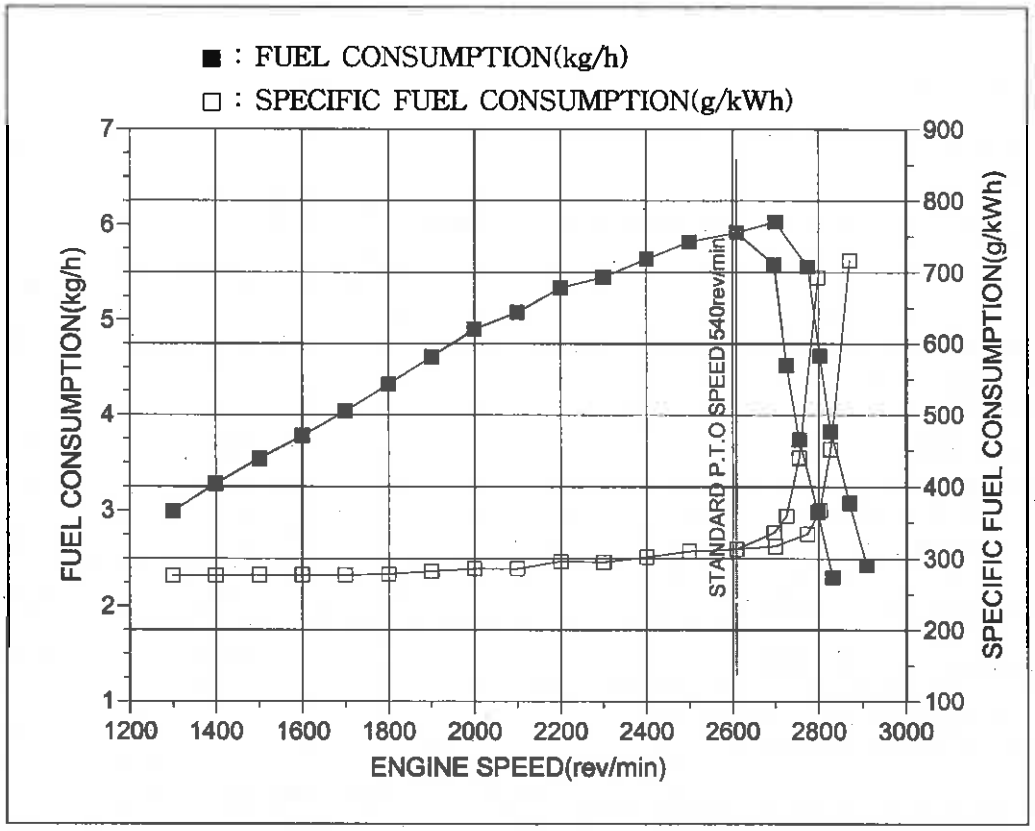
Mean atmospheric conditions	
Temperature	25 ℃
Pressure	100.0 kPa
Relative humidity	49 %
Maximum temperatures	
Coolant	89 ℃
Engine oil	105 ℃
Fuel	34 ℃
Engine air intake	27 ℃

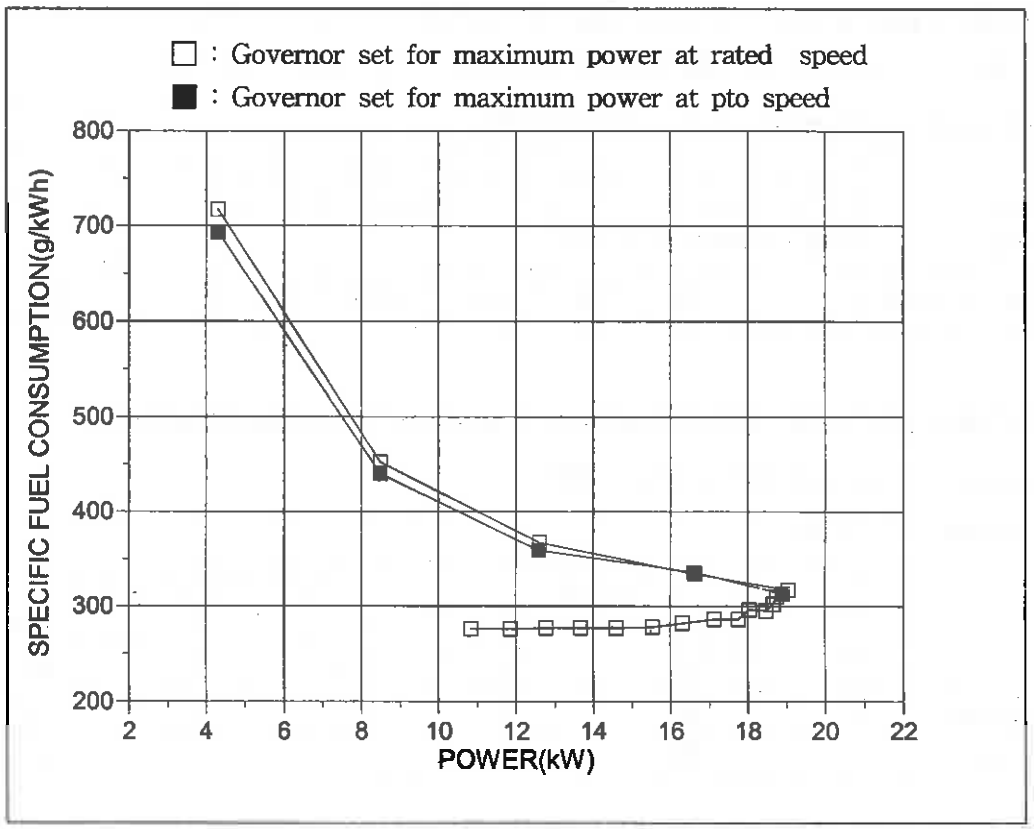
POWER TAKE - OFF PERFORMANCE CURVES





POWER TAKE - OFF PERFORMANCE CURVES





3.2 HYDRAULIC POWER AND LIFTING FORCE

- Date of tests : 27th to 29th April, 2000

3.2.1 Hydraulic power test : None

※ Tapping points are not fitted on this tractor.

3.2.2 Power lift test

- Linkage settings for test - see Table 1.1 and Figures 1.1 and 1.2

	At the hitch point	On the frame
Height of lower hitch point above ground in down position	200 mm	200 mm
Vertical movement without lifting forces with lifting forces	 515 mm 487 mm	 674 mm 642 mm
Maximum corrected force exerted through full range	9.76 kN	5.86 kN
Corresponding pressure of hydraulic fluid	14.83 MPa	14.83 MPa
Moment about rear-wheel axis	7.52 kNm	8.10 kNm
Maximum tilt angle of mast from vertical	-	10 °

Lifting heights relative to the horizontal plane including the lower link pivot point											
mm	-334	-300	-265	-200	-100	0	100	200	222	300	308
Lifting forces(the values of force measured shall be corrected to corresponding to a hydraulic pressure equivalent to 90% of the actual relief valve pressure setting of the hydraulic lifting system): At the hitch point, corresponding pressure 14.83 MPa											
kN	-	-	9.76	10.62	11.98	13.01	13.49	13.71	11.59	-	-
At the frame, corresponding pressure 14.83 MPa											
kN	5.86	6.40	-	7.65	8.43	8.85	9.04	8.88	-	8.20	8.09

3.3 DRAWBAR POWER TEST(ballasted and unballasted tractor)

- Date of tests : 30th May to 8th June , 2000
- Type of track : Asphalt

	Height of drawbar above ground	Tyre inflation pressure	
		Front	Rear
	mm	kPa	kPa
Unballasted	360	177	157
Ballasted	360	177	157

Gear number And Range	Power	Drawbar pull	Speed	Engine speed	Slip of wheels	Specific fuel consum-ption	Specific energy	Temperatures			Atmospheric conditions		
								Fuel	Coolant	Engine oil	Tempe-rature	Relative humidity	Pressure
	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)													
L-1	3.67	9.93	1.33	2852	15.1	875	0.941	35	88	104	28	47	99.8
L-2	5.12	9.85	1.87	2841	15.1	679	1.213	36	89	104	29	46	99.8
L-3	7.28	9.76	2.68	2830	15.1	556	1.483	36	89	105	29	46	99.7
L-4	11.08	9.83	4.06	2769	15.0	460	1.790	37	90	105	28	45	99.8
H-1	15.42	8.83	6.28	2702	11.0	401	2.057	37	89	104	28	44	99.8
H-2	16.01	6.25	9.22	2701	6.0	387	2.129	36	88	103	27	45	99.7
H-3	15.17	4.04	13.51	2699	3.8	409	2.014	35	88	102	27	45	99.7
3.3.2 MAXIMUM POWER IN TESTED GEARS (ballasted tractor)													
L-1	3.99	10.73	1.34	2884	15.1	798	1.033	39	88	103	27	47	99.7
L-2	5.48	10.52	1.88	2855	15.1	583	1.412	40	89	104	28	46	99.7
L-3	7.73	10.36	2.69	2837	15.0	514	1.603	39	88	103	28	45	99.8
L-4	11.83	10.44	4.08	2797	15.0	428	1.923	38	89	104	29	44	99.7
H-1	15.72	8.91	6.35	2701	6.2	394	2.092	37	89	104	30	43	99.8
H-2	15.77	6.15	9.24	2700	5.7	393	2.099	36	88	103	29	44	99.8
H-3	15.22	4.05	13.52	2699	3.7	408	2.021	36	88	103	29	45	99.7
3.3.3 FIVE-HOUR TESTS													
3.3.3.1 FIVE-HOUR TEST at 75% of pull at maximum power at rated engine speed													
H-2	12.68	4.65	9.83	2791	5.9	411	2.003	40	89	105	29	46	99.8
3.3.3.2 FIVE-HOUR TEST at pull corresponding to 15% wheelslip with additional ballast(†) : - kg													
L-4	11.81	10.39	4.09	2795	15.0	429	1.919	41	88	105	28	47	100.0

(†) Test 3.3.3.2 was carried out without additional ballast.

Oil consumption during ten hours duration of tests 3.3.3.1 and 3.3.3.2 : 11.2 g/h

3.4 TURNING AREA AND TURNING CIRCLE

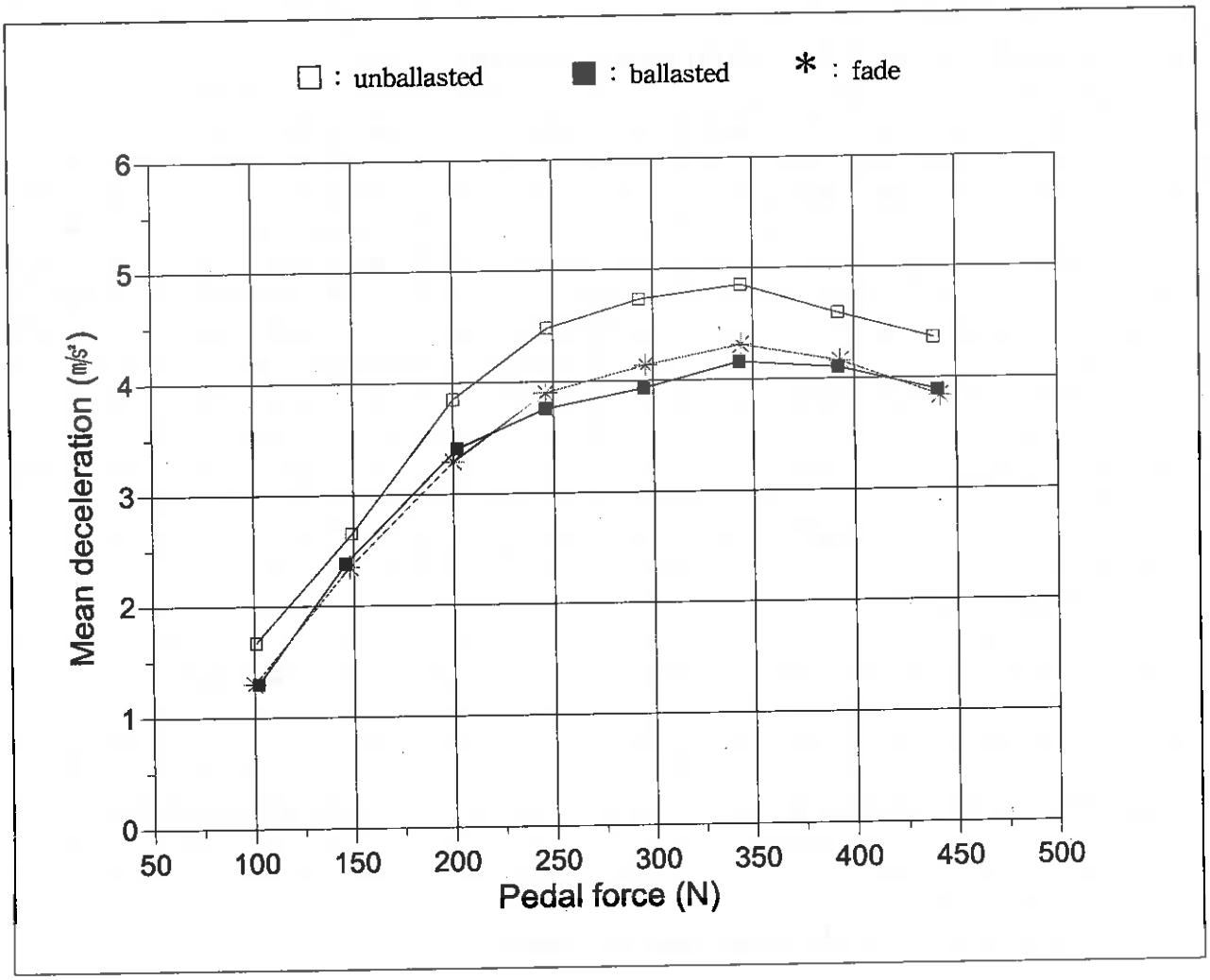
	With brakes		Without brakes	
	Right-hand	Left-hand	Right-hand	Left-hand
	mm	mm	mm	mm
Radius of turning area	3105	3125	3515	3525
Radius of turning circle	3015	3035	3425	3435

3.5 LOCATION OF CENTER OF GRAVITY

- Height above ground : 751 mm
- Distance from the vertical plane containing the axis of the rear-wheels : 704 mm
- Distance from the median longitudinal plane of the tractor, to the left : 4 mm
- If the angle of suspension of the tractor is less than 20 ° indicate its value : None

3.6 BRAKING

- Date of tests : 9th to 12th June, 2000



3.6.1 Cold service braking device test

	Speed before application of brakes	Braking device control force	Mean deceleration
	km/h	kN	m/s²
Ballasted tractor	20.82	0.102	1.30
		0.146	2.38
		0.202	3.41
		0.246	3.76
		0.295	3.93
		0.343	4.16
		0.392	4.10
		0.441	3.89
Unballasted tractor	21.39	0.101	1.67
		0.149	2.65
		0.200	3.85
		0.247	4.48
		0.293	4.73
		0.344	4.85
		0.392	4.59
		0.439	4.36

- Maximum deviation of tractor from its original course : None
- Abnormal vibration : None
- Brake heating method : None

3.6.2 Fade Test

- Maximum deviation of tractor from its original course : None
- Abnormal vibration : None
- Brake heating method : Driven with brakes applied for 1km at 80%(16.26 km/h) of maximum speed with a pedal force corresponding to a deceleration of 1m/s².

Speed before application of brakes	Braking device control force	Mean deceleration
km/h	kN	m/s²
20.33	0.100	1.30
	0.148	2.35
	0.200	3.29
	0.246	3.90
	0.296	4.14
	0.344	4.31
	0.393	4.16
	0.442	3.84

3.6.3 Parking braking device test

	Uphill	Downhill
Braking device control force	275N	275N

3.7 MEASUREMENT OF EXTERNAL NOISE

- Date of tests : 7th June, 2000
- Sound level meter, make/model/type : Bruel and kjaer, 2236
- Type of track : Asphalt
- Gear number : 8 (H-4) gear
- Travelling speed before acceleration : 16.4 ㎞/h
- Sound level : 79.5 dB(A)

4. REPAIRS

None

5. REMARKS

None