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. : 1/1926
Date of approval : 6th October, 2000



Agricultural Tractor

DAEDONG LK3054(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-5-10
Duration of test : March till June, 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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Printed in the Republic Of KOREA, November 2000 ; NAMRI

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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 : LK3054
- Type : Wheel tractor, unit construction
- Number of driving wheels : 4
- Serial No. : 927500030
- 1st Serial No. : 927500001

1.2 ENGINE

- Make : Own make
- Model : TD1400B
- Type : 4 stroke, water cooled, indirect diesel,
  naturally aspirated
- Serial No. : 925600030

1.2.1 Cylinders

- Number/disposition : 3 / Vertical, in-line
- Bore/stroke : 85 mm /82 mm
- Capacity : 1395 ㎤
- Compression ratio : 21.0 : 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 ㎥

- Injection pump
  - Make : Doowon
  - Model : PFR-3KD
  - Type : Bosch, type k
  - Serial No. : None
- Manufacturer's production setting of injection pump
  - Flow rate : 6.65±0.33 dm³/h at rated engine speed and full load
  - Timing : 25 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 : 2600 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 : 6.8 dm³
- Type of temperature control : Wax pellet 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, dual clutch for transmission & PTO
- Number of plates : 2
- Diameter of plates : 215mm
- Method of operation : Mechanically actuated by pedal

1.3.2 Gear box

- Make : Daedong-Gear
- Model : None
- Type : Mechanical
- Description 4 main gear with synchro-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 : Mechanical 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 2600 min^{-1}(rev/min) km/h	
		Forward	Reverse	Forward	Reverse
1	L-1	384.908	422.226	1.31	1.20
2	L-2	277.737	304.665	1.82	1.66
3	L-3	195.509	214.464	2.58	2.35
4	L-4	125.228	137.369	4.03	3.67
5	H-1	82.619	90.629	6.11	5.57
6	H-2	59.615	65.395	8.47	7.72
7	H-3	41.965	46.034	12.03	10.97
8	H-4	26.879	29.486	18.78	17.12
(*)Calculated with a tyre dynamic radius index of 515mm(ISO 4251-1:1992)					

Number of revolutions of front wheels for one revolution of rear-wheels : 1.679
Range selection : L = Low, H = High

1.4 POWER TAKE-OFF

1.4.1 Main power take-off

- Type : Semi-independent
- Method of engagement : Mechanically actuated by pedal
- Number of shafts : 1
- Method of changing power take-off shaft speeds : 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 : 516 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
538	2600	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: 516 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
991	2600	2.624
1000	2624	

- 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 :	15.9±0.5 MPa
- Opening pressure of cylinder safety valve :	None
- 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 :	SAE 3/8" hydraulic female coupler, 1, rear of tractor
- 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

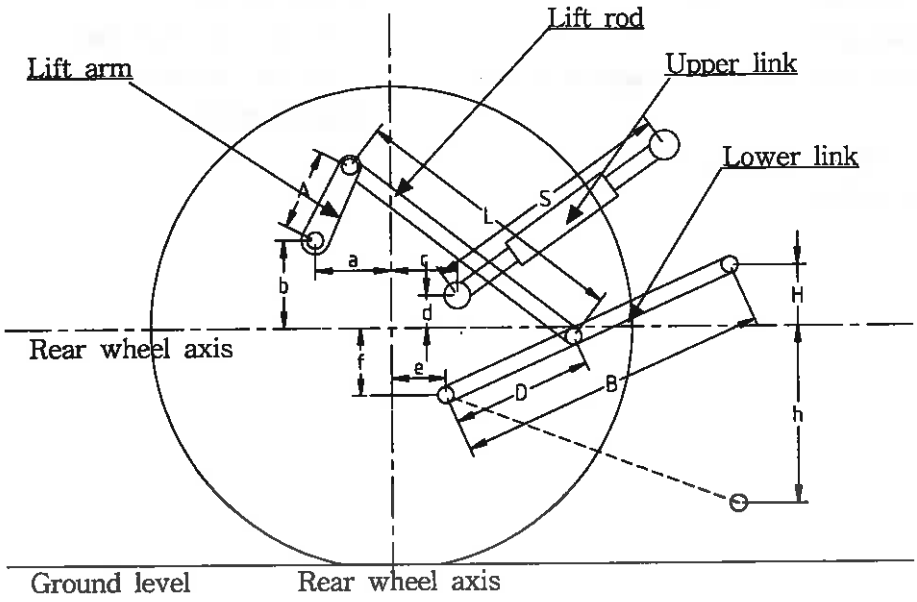


Figure 1.1

Lift test-Linkage geometry

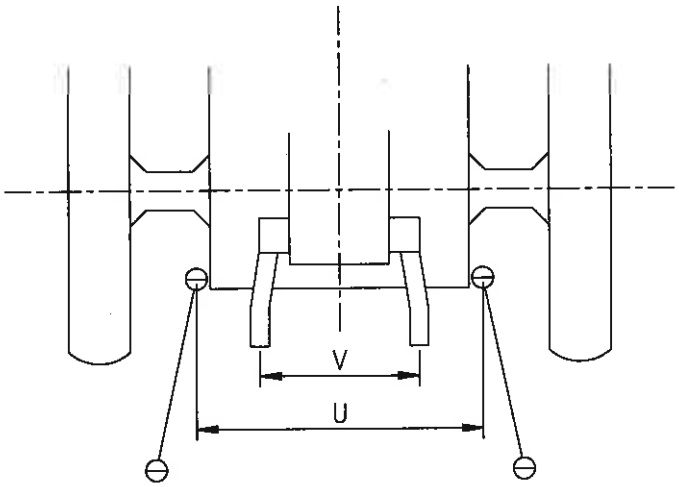


Figure 1.2

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	580
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	305
Length of lift rods:	(L)	from 408 to 458	433
Height of lower hitch points relative to the rear-wheel axis:			
- in low position	(h)	from 245 to 385	355
- in high position	(H)	from 180 to 280	220
Height above ground of lower hitch points when locked in transport position(*)		Any height within lifting range	
(*)Assuming r = 515mm 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 : 355 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 discs
- 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 : 1640 mm
- Track width adjustment :

	Minimum mm	Maximum mm	Adjustment method
Front	1030	1030	None
Rear	1070	1270	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	960	144×88	158
Side lights	1245	ϕ 115	489
Rear lights	1155	ϕ 80	442
Reflectors	1155	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	3020	1350	1535	2040
Unballasted	2830	1350	1535	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	576	581	504	509
Rear	644	714	644	714
Total	1220	1295	1148	1223

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	7-14	11.2-24
ply rating	6	6
type	Diagonal	Diagonal
maximum load(tyre manufacturer's)	3.63 kN	8.28 kN
maximum load(tractor manufacturer's)	3.63 kN	8.28 kN
inflation pressure(tyre manufacturer's)	177 kPa	118 kPa
dynamic radius index	320 mm	515 mm
Chosen track width	1030 mm	1070 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

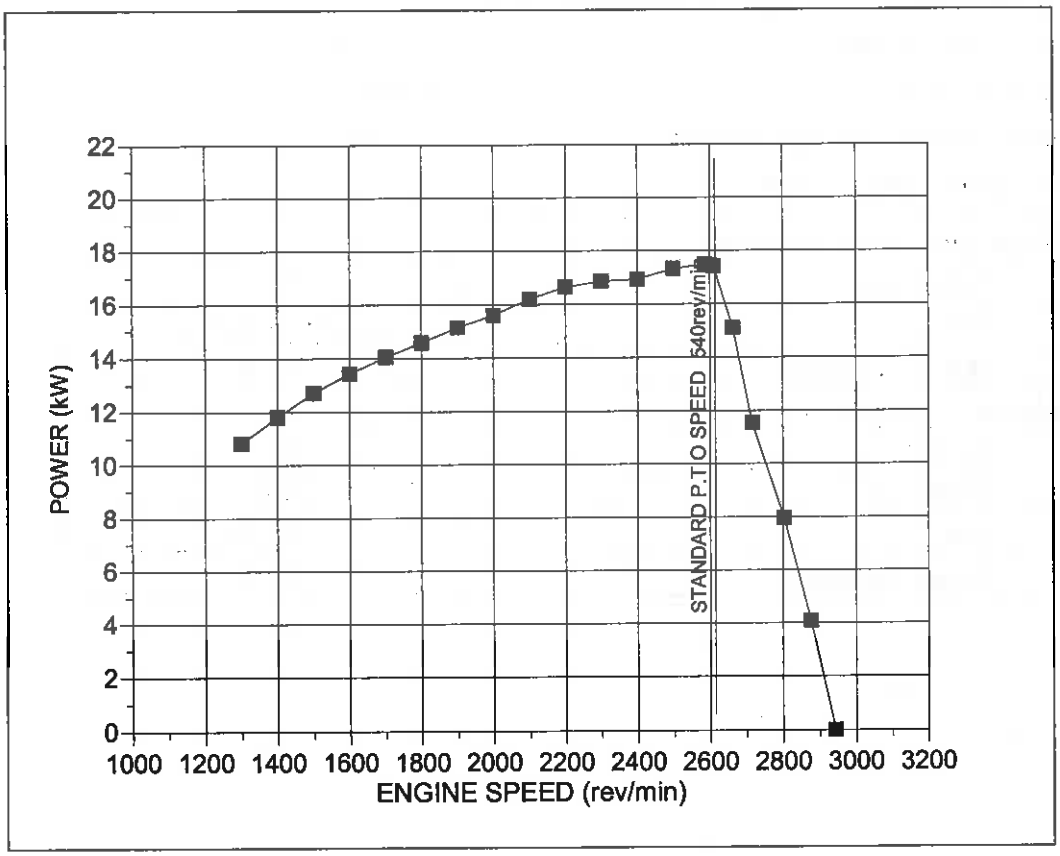
- Date and location of tests : 27th to 30th May 2000, NAMRI, Konjiam
- Type of dynamometer bench : Eddy Current, FROUD AG 250

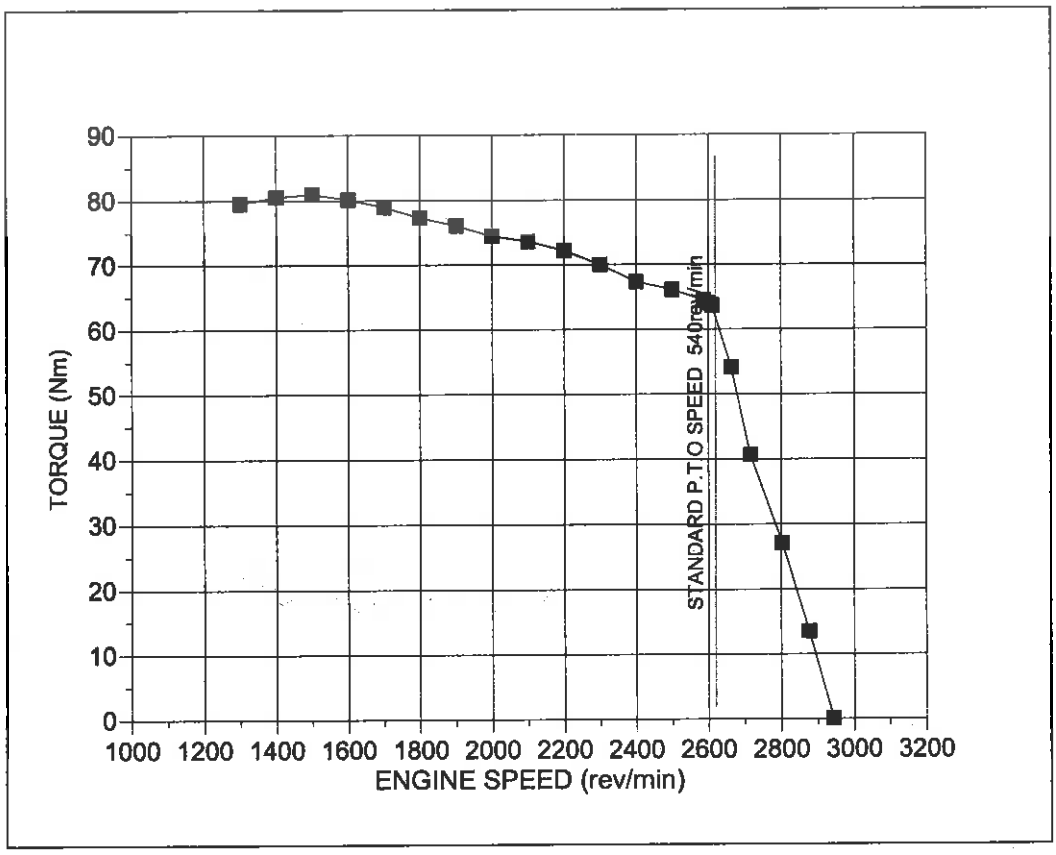
Power	Speed		Fuel consumption			Specific energy
	Engine	P.T.O	Hourly		Specific	
kW	rev/min	rev/min	kg/h	ℓ/h	g/kWh	kWh/ℓ
3.1.1 MAXIMUM POWER - TWO-HOURS TEST						
17.48	2587	535	5.53	6.71	316	2.607
3.1.2 POWER AT RATED ENGINE SPEED						
17.46	2600	538	5.53	6.72	317	2.599
3.1.3 STANDARD POWER TAKE-OFF SPEED (540±10 rev/min)						
17.41	2610	540	5.54	6.73	318	2.588
3.1.4 PART LOADS						
3.1.4.1 The torque corresponding to maximum power at rated engine speed						
17.46	2600	538	5.53	6.72	317	2.599
3.1.4.2 85% of torque obtained in 3.1.4.1						
15.17	2658	550	4.86	5.90	321	2.571
3.1.4.3 75% of torque defined in 3.1.4.2						
11.61	2711	561	4.11	4.99	354	2.328
3.1.4.4 50% of torque defined in 3.1.4.2						
7.99	2798	579	3.42	4.15	428	1.925
3.1.4.5 25% of torque defined in 3.1.4.2						
4.10	2876	595	2.70	3.28	658	1.251
3.1.4.6 Unloaded						
0	2943	609	2.07	2.51	-	-
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						
17.41	2610	540	5.54	6.73	318	2.588
3.1.5.2 85% of torque obtained in 3.1.5.1						
15.10	2663	551	4.86	5.90	322	2.559
3.1.5.3 75% of torque defined in 3.1.5.2						
11.55	2716	562	4.11	4.99	356	2.317
3.1.5.4 50% of torque defined in 3.1.5.2						
7.95	2803	580	3.42	4.15	430	1.917
3.1.5.5 25% of torque defined in 3.1.5.2						
4.08	2876	595	2.70	3.28	663	1.244
3.1.5.6 Unloaded						
0	2943	609	2.07	2.51	-	-

- No load maximum engine speed : 2943 rev/min
- Torque (equivalent crankshaft) at maximum power
  - At rated engine speed : 64.1 Nm
  - At 2 hours test : 64.5 Nm
- Maximum torque(equivalent crankshaft) : 81.0 Nm
  (engine speed : 1500 rev/min)

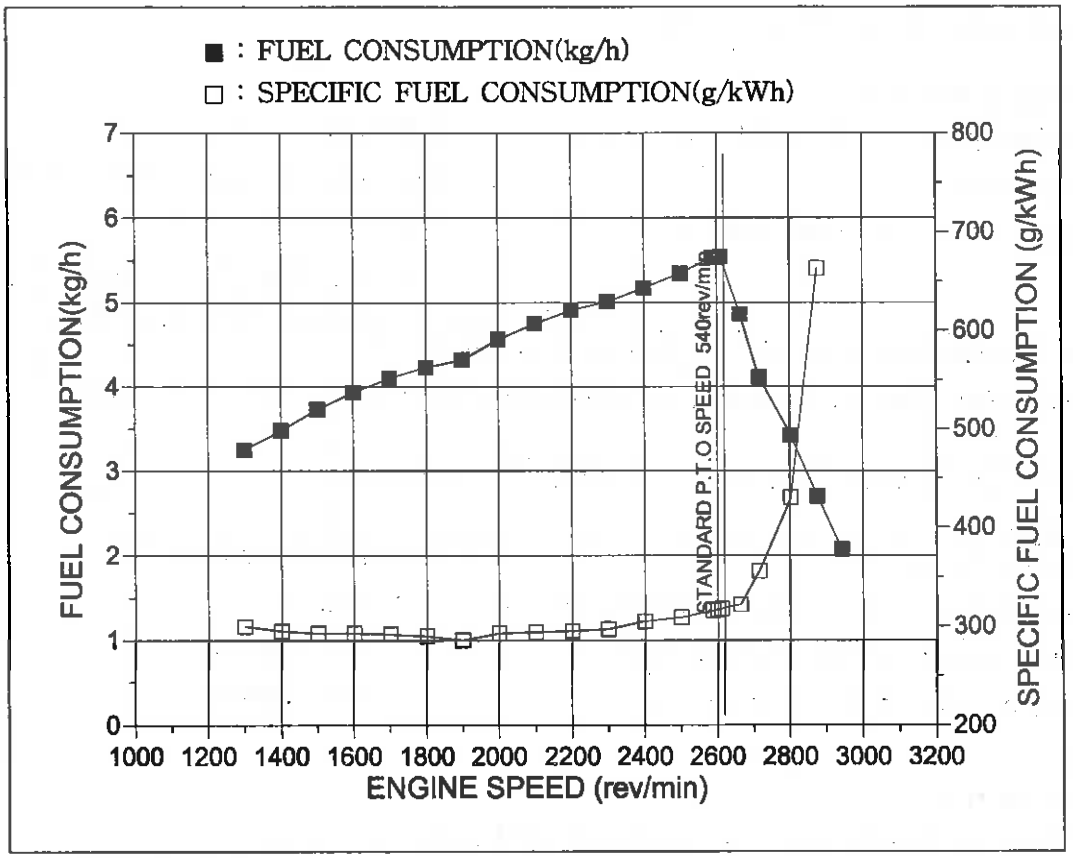
Mean atmospheric conditions	
Temperature	20 ℃
Pressure	100.1 kPa
Relative humidity	48 %
Maximum temperatures	
Coolant	96 ℃
Engine oil	114 ℃
Fuel	26 ℃
Engine air intake	22 ℃

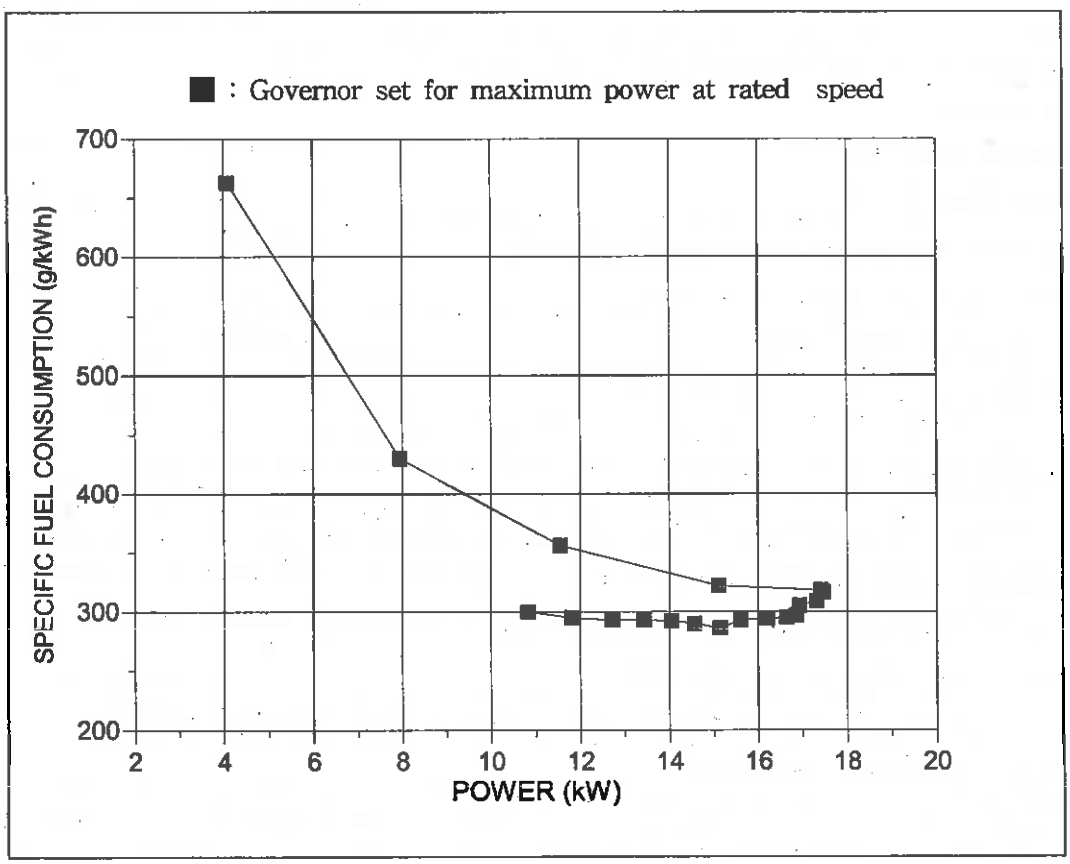
POWER TAKE - OFF PERFORMANCE CURVES





POWER TAKE - OFF PERFORMANCE CURVES





3.2 HYDRAULIC POWER AND LIFTING FORCE

- Date of tests : 1th to 3th April, 2000

3.2.1 Hydraulic power test

- Sustained pressure with relief valve open : 15.89 MPa
- Pump stalled : Not applicable, open center system
- Pump delivery rate at minimum pressure : 24.07 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	4.65	14.30	1.11
Flow rate and hydraulic pressure corresponding to maximum hydraulic power	22.17	9.74	3.60

- Tapping point used for test : Rear of tractor
- Temperature of hydraulic fluid if different from 65±5℃ : None
- Opening pressure of the unloading valve : Not available
- Closing pressure of the unloading valve : Not available

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	160 mm	165 mm
Vertical movement without lifting forces with lifting forces	 575 mm 547 mm	 742 mm 715 mm
Maximum corrected force exerted through full range	7.24 kN	5.79 kN
Corresponding pressure of hydraulic fluid	14.30 MPa	14.30 MPa
Moment about rear-wheel axis	5.58 kNm	7.99 kNm
Maximum tilt angle of mast from vertical	-	10 °

Lifting heights relative to the horizontal plane including the lower link pivot point											
mm	-340	-300	-280	-200	-100	0	100	200	267	300	375
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, corrected to 14.30 MPa											
kN	-	-	7.24	8.64	9.82	10.84	11.57	12.07	9.30	-	-
At the frame, corrected to 14.30 MPa											
kN	5.79	6.14	-	6.85	7.62	8.03	8.43	8.41	-	8.20	6.23

3.3 DRAWBAR POWER TEST(ballasted and unballasted tractor)

- Date of tests : 8th to 16th May, 2000
- Type of track : Asphalt

	Height of drawbar above ground	Tyre inflation pressure	
		Front	Rear
	mm	kPa	kPa
Unballasted	340	177	118
Ballasted	340	177	118

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-2	3.62	7.13	1.83	2932	15.1	803	1.026	34	94	110	23	49	101.0
L-3	5.25	7.35	2.57	2898	15.1	619	1.331	35	95	109	24	48	101.2
L-4	7.82	7.21	3.91	2808	15.0	517	1.595	36	95	109	25	47	101.2
H-1	11.45	7.18	5.74	2719	15.0	440	1.874	36	96	110	24	48	101.0
H-2	13.46	6.05	8.01	2589	10.2	411	2.006	34	95	110	23	47	101.2
H-3	12.98	3.85	12.13	2586	4.2	427	1.928	34	95	109	22	47	101.2
3.3.2 MAXIMUM POWER IN TESTED GEARS (ballasted tractor)													
L-1	2.86	7.93	1.30	2954	15.1	949	0.868	38	96	112	28	46	100.9
L-2	4.00	7.88	1.83	2927	15.1	733	1.124	37	95	111	28	46	100.9
L-3	5.71	8.04	2.56	2887	15.1	586	1.407	37	95	111	28	45	101.0
L-4	8.42	7.85	3.86	2781	15.0	496	1.662	38	96	112	29	45	100.9
H-1	12.15	7.66	5.71	2705	15.0	435	1.895	37	95	111	28	46	100.9
H-2	13.40	5.98	8.07	2590	9.4	411	2.006	36	95	110	28	46	101.0
H-3	12.86	3.85	12.03	2587	4.5	430	1.914	36	95	109	27	47	101.0
3.3.3 FIVE-HOUR TEST													
3.3.3.1 FIVE-HOUR TEST at 75% of pull at maximum power at rated engine speed													
H-2	8.97	4.05	7.98	2647	4.7	415	1.986	32	91	103	26	44	100.6
3.3.3.2 FIVE-HOUR TEST at pull corresponding to 15% wheelslip with additional ballast(†) : - kg													
H-1	12.10	7.64	5.70	2703	15.0	437	1.885	33	92	104	25	45	100.6

(†) 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 : 5.35 g/h

3.4 TURNING AREA AND TURNING CIRCLE

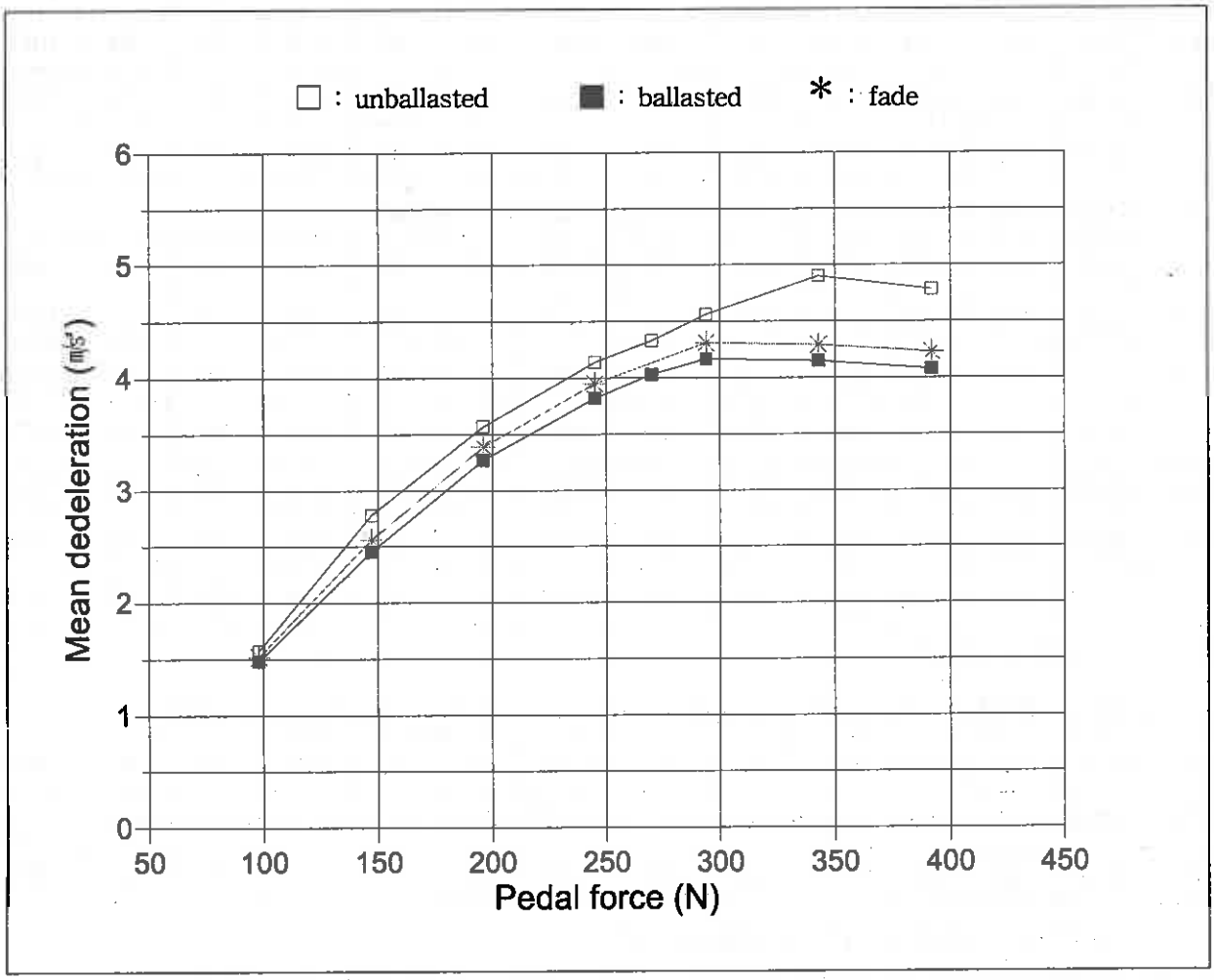
	With brakes		Without brakes	
	Right-hand	Left-hand	Right-hand	Left-hand
	mm	mm	mm	mm
Radius of turning area	3095	3125	3500	3525
Radius of turning circle	3005	3035	3410	3435

3.5 LOCATION OF CENTER OF GRAVITY

- Height above ground : 739 mm
- Distance from the vertical plane containing the axis of the rear-wheels : 683 mm
- Distance from the median longitudinal plane of the tractor, to the left : 2 mm
- If the angle of suspension of the tractor is less than 20 ° indicate its value : None

3.6 BRAKING

- Date of tests : 18th to 19th May, 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	22.52	0.098	1.48
		0.147	2.45
		0.196	3.27
		0.245	3.82
		0.270	4.03
		0.294	4.17
		0.343	4.15
		0.392	4.08
Unballasted tractor	22.59	0.098	1.57
		0.147	2.78
		0.196	3.57
		0.245	4.14
		0.270	4.33
		0.294	4.56
		0.343	4.90
		0.392	4.78

- 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%(18.18 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
22.73	0.098	1.52
	0.147	2.56
	0.196	3.39
	0.245	3.95
	0.294	4.31
	0.343	4.29
	0.392	4.23

3.6.3 Parking braking device test

	Uphill	Downhill
Braking device control force	245 N	245 N

3.7 MEASUREMENT OF EXTERNAL NOISE

- Date of tests : 16th May, 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 : 15.4 ㎞/h
  - Sound level : 77.8 dB(A)

4. REPAIRS

None

5. REMARKS

None