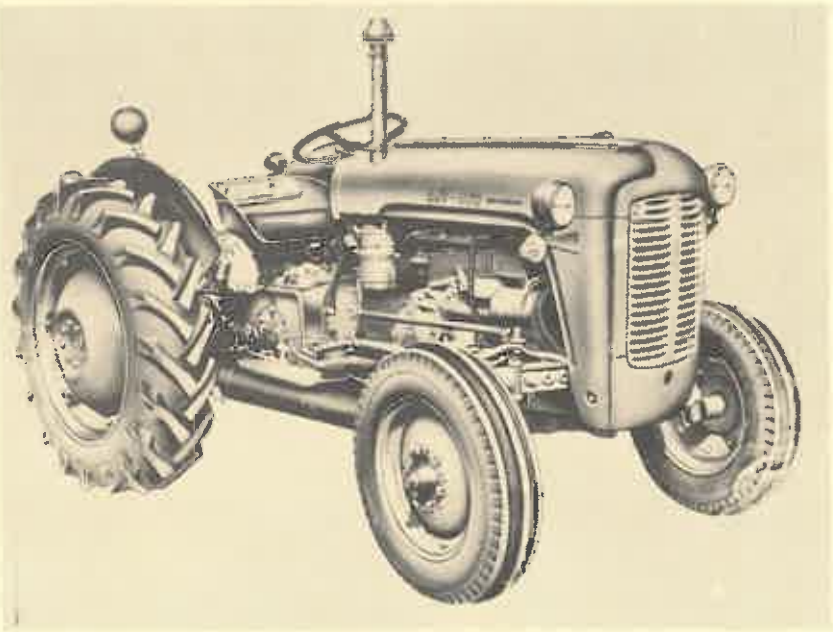
O.E.C.D. Report No. 353
Printed: July 1973

Report on Test in Accordance with O.E.C.D. STANDARD-CODE for the Official Testing of Agricultural Tractors



TRACTOR DIESEL IMT - 533 M

Manufactured by: IMT - INDUSTRIJA MAŠINA I TRAKTORA
BEOGRAD - YUGOSLAVIA

Date of Tests: February - June 1970

INSTITUT "KIRILO SAVIĆ" - BEOGRAD
INSTITUT ZA MEHANIZACIJU POLJOPRIVREDE - ZEMUN

This Bulletin is based on engineering tests in accordance with the O.E.C.D. STANDARD - CODE for Official Testing of Agricultural Tractors.

It does not contain an evaluation of the performance of the Tractor on practical work.

This Report has been approved by the O.E.C.D. Co-Ordinating Centre (C.N.E.E.M.A. France) as being in accordance with the O.E.C.D. STANDARD - CODE.

Date of Approval : March 1971

Serial No. 353

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Yugoslavia

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TABLE OF CONTENTS

	Page
Specification of tractor	2
Fuel and lubricants used in tests	9
COMPULSORY TESTS	
(1) Main power take-off performance	
Table with the results	11
Diagrams with the results	13, 14
(2) Drawbar performance test	
Table with the results	15
Diagrams with the results	
– Drawbar test on a tarmacadam track, with ballast	17 – 21
– Drawbar test on a tarmacadam track, without ballast	22 – 26
(3 and 4) Turning space and turning circle	27
(5) Location of centre of gravity	27
(6) Braking	27
(7) Measurement of ambient noise emitted by the tractor	28
(8) Noise measurements at the driver's ear level	28
(9) Power lift	29

Tractor manufacturer:	IMT - INDUSTRIJA MAŠINA I TRAKTORA Beograd - Zemun, Yugoslavia
Submitted for test by:	Manufacturer
Selected by:	The representatives of the Institute from serial production
Place of running-in:	Institute of Agricultural Mechanization Beograd - Zemun, Yugoslavia
Duration of running-in:	60 hours

SPECIFICATION OF TRACTOR

TRACTOR	
Make:	IMT - Industrija mašina i traktora Beograd - Zemun, Yugoslavia
Type:	Wheel type tractor, unit construction
Model:	533 - M
Serial No.:	40741
ENGINE	
Make:	IMR - Industrija motora Rakovica Beograd, Yugoslavia
Type:	Water cooled 4-stroke Diesel engine
Model:	M 33/T
Serial No.:	50053
Cylinders:	3 cylinders, vertical in line, 91,4 mm (3,60 in) bore, 127 mm (5,00 in) stroke; capacity 2500 cm^3 (152,5 in^3); compression ratio 17,4 : 1 ; overhead valves; dry cylinder liners.
Fuel system	
Fuel:	Commercially available Diesel oil
Type of fuel feed:	under pressure
Make, type and model of fuel filter(s):	one pre-cleaner and two filters with replaceable elements
Capacity of fuel tank:	35 lit (7,70 UK gal)

Make, type and model of injection pump:	CAV distributor fuel injection pump
Serial No.:	3230210
Governor	
Make:	Industrija precizne mehanike - Beograd
Type:	pneumatic, incorporated in injection pump
Range of speed:	from 530 to 2120 rev/min
Rated speed:	2000 rev/min
Air cleaner	
Main filter:	Make: Ikarus - Zemun
	Type: oil bath type
	Oil capacity: 0,4 lit (0,88 UK gal)
Pre-cleaner:	Make: Ikarus - Zemun
	Type: cyclon type
Lubrication system	
Type:	under pressure
Type and number of filters:	total number of filters: three - two with mesh and one with element
Oil capacity:	7,0 lit (1,54 UK gal)
Changing period:	120 hours
Cooling system	
Type:	water cooled
Details of pump and fan:	Centrifugal pump, capacity 80 lit/min (17,6 UK gal) at 2000 rev/min of engine
Coolant capacity:	8,5 lit (1,87 UK gal)
Means of temperature control:	Thermostat
Starting system	
Make:	Iskra - Kranj
Type:	Electrical starting device

Aids for cold starting:	Automatical heater
Electrical system	
Voltage:	12 V
Generator:	Direct current generator
	Make: Iskra - Kranj
	Type: closed
Battery:	2 x 6 V, serial connected
	Make: Tesla - Brčko
	Type: with leaden plates
	Capacity: 112 Amh

TRANSMISSION

Clutch	
Make:	Ikarus - Zemun
Type:	dry clutch with one disc
Method of operation:	mechanically operated
Gearbox	
Make:	Industrija mašina i traktora, Zemun
Type:	mechanical
Number of gears:	2 x 3
Rear axle and final drive	
Make:	Industrija mašina i traktora, Zemun
Type:	without reduction gear after differential
Differential lock:	does not exist
Details of transmission if other than above:	
Oil capacity	
Gearbox:	30 lit (6,60 UK gal)
Rear axle:	- -
Changing period:	720 hours

Pneumatics 10 x 28; r_d=574 mm (22,60 in)

Gear No.	Number of engine revolutions for one revolution of driving wheels	Nominal travelling speed for 2000 rev/min rated speed of engine km/h	(mile/h)
Forward			
1	205,5	2,06	(1,280)
2	137,0	3,06	(1,901)
3	74,7	5,65	(3,511)
4	51,4	8,20	(5,095)
5	34,2	12,30	(7,643)
6	18,6	22,50	(13,981)
Reverse			
1	153,8	2,75	(1,709)
2	38,5	10,90	(6,773)

Power take-off

Main

Location:	at rear of tractor
Dimensions:	ø 34,9 mm (1 3/8 in)
No. of splines:	6
Whether these are ISO standard:	yes
Height above ground:	448 mm (17,64 in) situated in the longitudinal axis of tractor
Proportional engine speed:	2,78 (720 rev/min of p.t.o. shaft at 2000 rev/min engine speed)
Engine speed at standard p.t.o. speed:	1500 rev/min
Direction of rotation:	clockwise viewed facing driving end
Proportional ground speed:	Distance travelled for 1 revolution of p.t.o. 0,483 m (19,02 in)
Number of p.t.o. revolutions for one revolution of driving wheel:	7,46 revolutions

Direction of rotation:	clockwise viewed facing driving end with tractor in forward gear
Details of other power take-off, if any:	no other p.t.o. shafts
Belt pulley	
(not fitted on tractor tested; figures acc. to manufacturer's specification)	
Location:	at rear of tractor, driving device attached to p.t.o. shaft
Dimensions, diameter and width of face:	ø 228,6 mm x 165 mm (ø 9,00 in x 6,50 in)
Linear speed:	773 m/min (2536 ft/min) at 1313 rev/ /min of belt pulley, respectively at 2000 rev/min of engine
Engine speed at standard belt pulley speed:	2000 rev/min at pulley's linear speed of 773 m/min (2536 ft/min)
Direction of rotation:	both directions of rotation, depending from the position of the belt pulley driving device attached to p.t.o. shaft
Power lift	
Make:	Industrija mašina i traktora
Type:	Controls for position and draught
Oil capacity:	30 lit (6,60 UK gal)
Vertical lift movement above ground:	maximum 940 mm (37,01 in) minimum 100 mm (3,94 in)
Drawbar	
Type:	swinging
Height above ground:	maximum 314 mm (12,36 in) minimum 0 mm (0 in)
Method of changing position:	by adjusting of tractor's linkage
Distance from rear axle:	132 mm (5,20 in)

Position relative to p.t.o.:	130 mm (5,12 in)
Lateral adjustment:	
Pivot position relative to rear wheel:	250 mm (9,84 in)
Hitch	
Height above ground:	-
Distance from rear axle:	-
Position relative to p.t.o.:	-
Steering	
Make:	Industrija mašina i traktora
Type:	mechanical
Method of operation:	worm type operated by steering wheel
Brakes	
Make:	FAK - Loznica
Type:	Foot brake, mechanically acting as contracting band type brake
Method of operation:	frictional
Parking brake:	Parking latch
Steering wheels	
Number:	2
Position:	at front
Type of tyre:	Size: 6,00 - 16 Ply rating: 4 Rim size: 4,00 x 16
Maximum permissible weight on each tyre :	475 kg (1047 lb) at 1,5 kp/cm^2 (21 lb/in^2) pressure
Track widths:	1219 mm (47,9 in) to 2032 mm (80,00 in)

Method of changing:	changing by extending front axle in stages
Driving wheels	
Number:	2
Position:	at rear
Type of tyre:	Size: 10 x 28
	Ply rating: 6
	Rim size: W 9 x 28
Maximum permissible weight on each tyre:	845 kg (1863 lb) at 1,1 kp/cm^2 (15 lb/in^2) pressure
Track widths:	1219 mm (47,99 in) to 1930 mm (75,98 in)
Method of changing:	changing by reversing disc and rim
Wheelbase:	1830 mm (72,05 in)
TRACTOR AND BALLAST WEIGHTS (without driver but with full fuel tank, oil and coolant)	
	Front: 630 kg (1389 lb)
	Rear : 810 kg (1786 lb)
	Total: 1440 kg (3175 lb)
Ballast	Front:
	weights - 4 per wheel à 50 kg (110 lb) = 200 kg (440 lb)
	Rear:
	weights - 4 per wheel à 50 kg (110 lb) = 200 kg (440 lb)
	water - 310 kg (683 lb)
	total ballast (weights + water): 710 kg (1563 lb)
Weight with full ballast:	
	Front: 830 kg (1830 lb)
	Rear: 1320 kg (2910 lb)
	Total: 2150 kg (4740 lb)

SEAT

Make:	IMT - Industrija mašina i traktora, Beograd - Zemun
Type of suspension:	leaf spring suspension
Type of damping:	torsion spring shock absorber
Range of adjustments:	70 mm (2,76 in)

NUMBER OF GREASE POINTS

Whole tractor: 16

OVERALL DIMENSIONS

Overall lenght:	2972 mm (117,01 in)
Overall width:	1625 mm (63,98 in) at standard track and without ballast weights
Overall height:	1372 mm (54,02 in)
Minimum ground clearance:	321 mm (12,64 in)

Lighting

	Height above ground of centre		Diameter		Distance from outside edge of tractor to centre	
	cm	(in)	cm	(in)	cm	(in)
Headlights	108,5	(42,72)	11,0	(4,33)	46,5	(18,31)
Side lights	95,0	(37,40)	6,0	(2,36)	42,0	(16,54)
Rear lights	120,0	(47,24)	7,0	(2,76)	30,0	(11,81)
Reflector	140,0	(55,12)	10,5	(4,13)	33,0	(12,99)

Unrestricted beam angle of headlight in plan view 23°

FUELS AND LUBRICANTS USED IN TESTS

Laboratory tests:

Fuel :	Diesel oil, specific gravity at 15°C (59°F) : 0,825 gr/cm^3
	Cetane No. : 57
Engine oil:	Extra HD, SAE 30
Transmission oil:	Alfa D, SAE 40

Track tests:

Fuel:	Diesel oil, specific gravity at 15 °C (59 °F) : 0,825 gr/cm^3
	Cetane No.: 57
Engine oil:	Extra HD, SAE 30
Transmission oil:	Alfa D, SAE 40

COMPULSORY TESTS

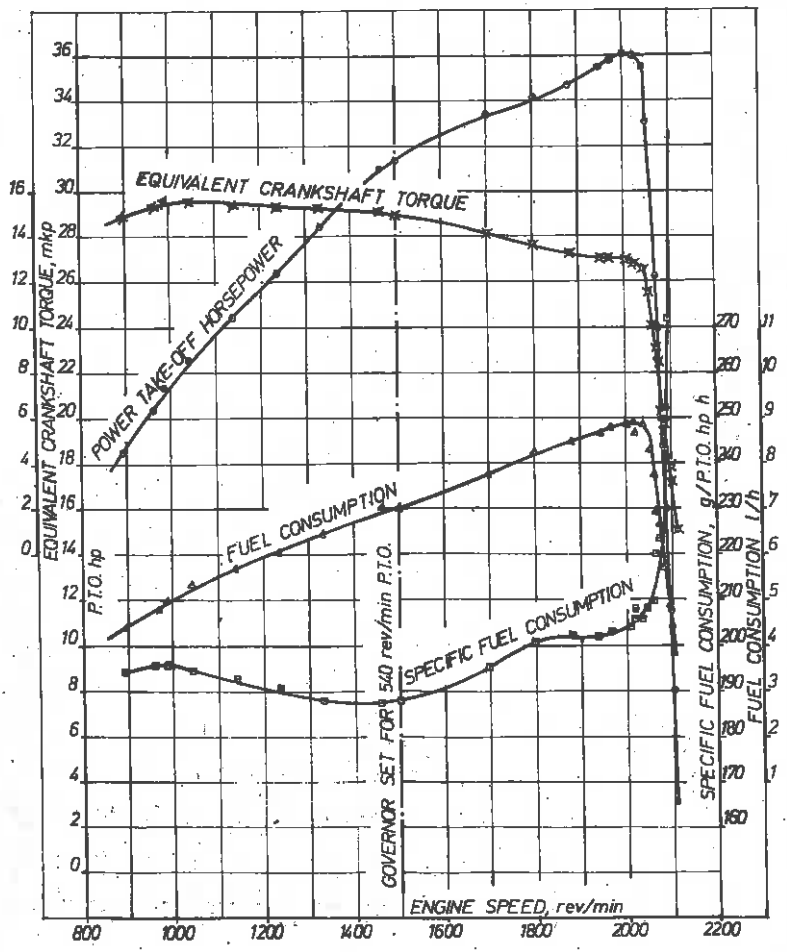
(1) MAIN POWER TAKE-OFF PERFORMANCE

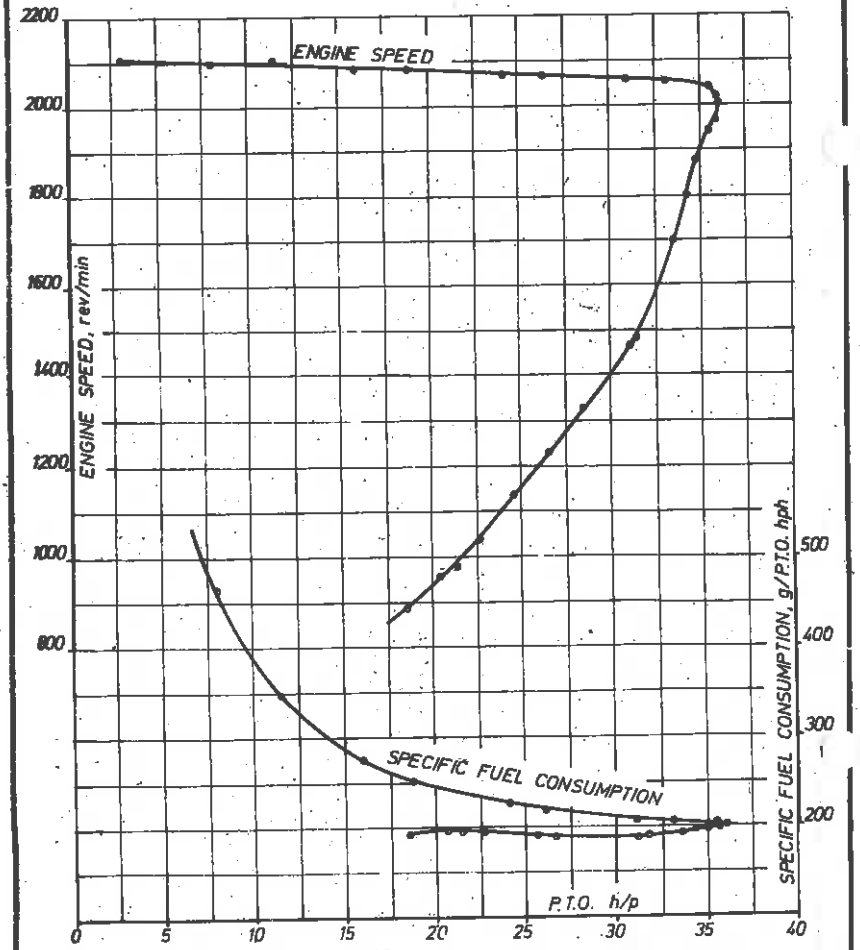
Date and location of tests: 23rd February 1970
Institute for Agricultural Mechanization, Beograd-Zemun, Yugoslavia

Type of dynamometer: Hydraulic brake "Schenck"

Speeds			Fuel consumption		
Horsepower metric hp (U.K. HP)	Engine rev/min	P.T.O. rev/min	Per hour l/h (UK gal/h)	Specific g/met hph (lb/hph)	Hp hour/unit of volume metric hph/lit (HPh/UK gal)
MAXIMUM POWER - 2 hour test					
36,00 (35,50)	2004	720	8,90 (1,957)	203,5 (0,455)	4,04 (18,13)
STANDARD P.T.O. SPEED (540 rev/min)					
31,40 (30,95)	1500	540	7,10 (1,560)	187,0 (0,419)	4,42 (19,81)
SPEED RECOMMENDED BY MANUFACTURER FOR BELT PULLEY WORK AND FOR DRAWBAR WORK					
36,00 (35,50)	2004	720	8,90 (1,957)	203,5 (0,455)	4,04 (18,13)
FUEL CONSUMPTION AT PART LOADS					
(i) 85 % of torque at maximum power					
31,10 (30,65)	2060	741	7,83 (1,72)	208,0 (0,466)	3,96 (17,76)
(ii) unloaded					
(0 (-)	2125	765	2,78 (0,612)	- (-)	- (-)
(iii) 50 % of the load defined in (i)					
15,90 (15,67)	2085	750	5,34 (1,175)	276,5 (0,619)	2,98 (13,36)
(iv) maximum power					
36,00 (35,50)	2004	720	8.90 (1,957)	203,5 (0,455)	4,04 (18,13)
(v) 25 % of the load defined in (i)					
8,10 (7,99)	2100	755	4,56 (1,003)	465,0 (1,041)	1,78 (7,98)
(vi) 75 % of the load defined in (i)					
23,90 (23,57)	2070	744	6,58 (1,446)	227,0 (0,508)	3,64 (16,32)

No load, maximum engine speed:	2125 rev/min	
Equivalent crankshaft torque at maximum power:	12,88 kpm (93,1 lbft)	
Maximum equivalent crankshaft torque:	15,52 kpm (112,2 lbft) at 1040 rev/min engine speed	
Mean atmospheric conditions:	temperature:	16 - 20 °C (60 - 67 °F)
	pressure:	748,5 mm Hg (29,47 in Hg)
	relative humidity:	43 %
Maximum temperature:		
	coolant:	92 °C (198 °F)
	engine oil:	88 °C (190 °F)
	fuel:	19 °C (66 °F)


EQUIVALENT CRANKSHAFT TORQUE
POWER TAKE-OFF HORSEPOWER
FUEL CONSUMPTION
SPECIFIC FUEL CONSUMPTION
EQUIVALENT CRANKSHAFT TORQUE, mkp
P.T.O. hp
SPECIFIC FUEL CONSUMPTION, g/P.T.O. hp h
FUEL CONSUMPTION l/h
GOVERNOR SET FOR 540 rev/min P.T.O.
ENGINE SPEED, rev/min
800
1000
1200
1400
1600
1800
2000
2200


ENGINE SPEED
ENGINE SPEED, rev/min
SPECIFIC FUEL CONSUMPTION
SPECIFIC FUEL CONSUMPTION, g/P.T.O. hph
P.T.O. h/p
2200
2000
1800
1600
1400
1200
1000
800
500
400
300
200
0
5
10
15
20
25
30
35
40

(2) DRAWBAR PERFORMANCE

Date of tests: 5, 6, 9 and 10 March 1970

Type of track: Termacadam

Height of drawbar above ground: 445 mm (17,52 in)

Gear	Speed km/h (mile/h)	Horse-power metric hp (U.K) HP)	Drawbar pull kp (1b)	Engine speed rev/min	Wheel-slip %	Specific work hph/lit (drawbar HPh/UKgal)	Specific fuel consumption g/hph (1b) (draw HPh)	Temperature Coolant °C (°F)	Fuel °C (°F)	Engine oil °C (°F)	Atmospheric conditions Temperature °C (°F)	Relative humidity %	Pressure mm.Hg (in Hg
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(i) MAXIMUM POWER (ballasted)													
1.	1,81 (1,12)	7.95 (7,84)	1185 (2612)	2100	16,20	1,705 (7,64)	485,0 (1,082)	17 (62)	86 (187)	84 (183)	15 (58)	42,0	753,0 (29,65)
2.	2,72 (1,67)	12,05 (11,98)	1195 (2669)	2090	16,40	2,112 (9,48)	390,0 (0,872)	18 (64)	86 (187)	85 (185)	15 (58)	42,0	753,0 (29,65)
3.	4,99 (3,10)	21,80 (21,49)	1180 (2602)	2070	14,70	2,998 (13,44)	275,0 (0,615)	19 (66)	88 (190)	85 (185)	16 (60)	41,0	753,0 (29,65)
4.	7,55 (4,69)	28,80 (28,40)	1030 (2271)	2050	10,60	3,340 (14,98)	250,0 (0,559)	19 (66)	88 (190)	86 (187)	17 (62)	41,0	753,0 (29,65)
5.	11,89 (7,38)	30,80 (30,39)	700 (1544)	2040	5,20	3,440 (15,42)	240,0 (0,537)	21 (69)	90 (194)	86 (187)	17 (62)	41,0	753,0 (29,65)
6.	23,08 (14,30)	30,30 (29,79)	355 (783)	2020	2,00	3,216 (14,49)	255,0 (0,570)	21 (69)	90 (194)	86 (187)	18 (64)	41,0	753,0 (29,65)

Cont.....

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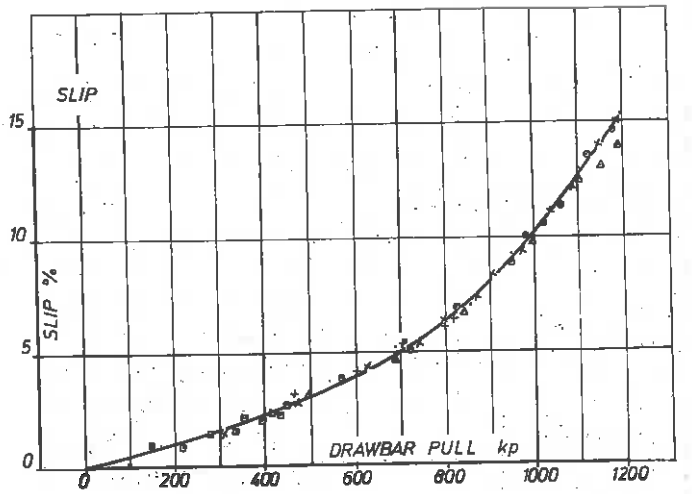
(2) DRAWBAR PERFORMANCE (cont.)

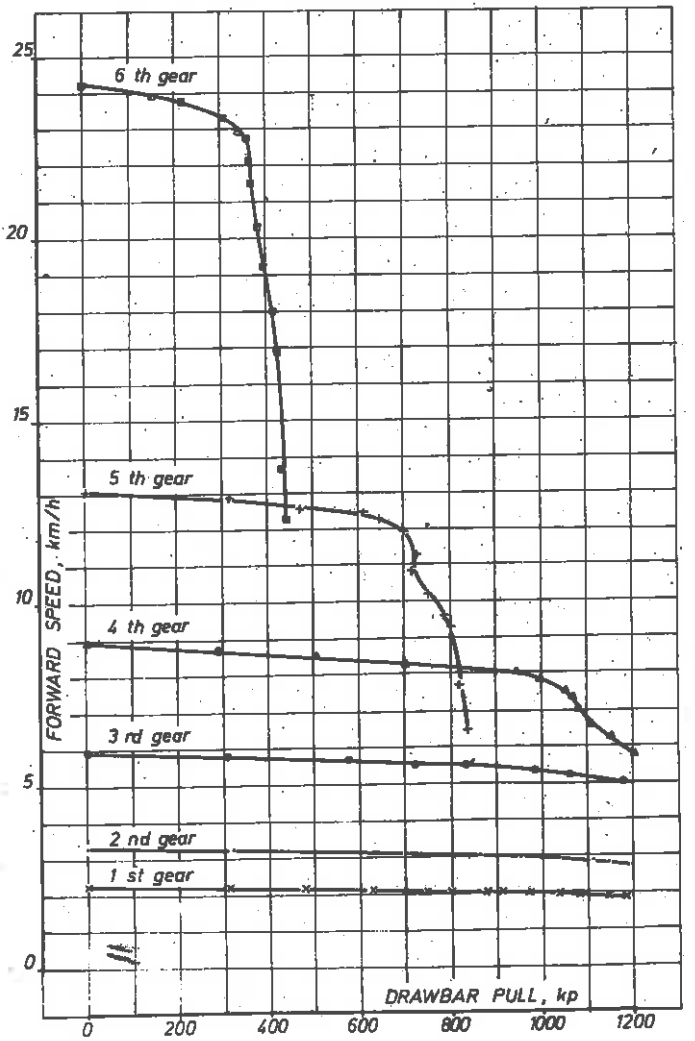
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(ii) FIVE HOUR TEST at 75 % of pull at maximum power													
3.	5,53 (3,46)	18,00 (17,75)	880 (1940)	2075	8,10	2,800 (12,55)	295,5 (0,662)	19 (66)	89 (192)	85 (185)	17 (62)	56,0	758,4 (29,86
(iii) FIVE HOUR TEST at pull corresponding to 15% wheelslip in test (i)													
3.	4,95 (2,77)	21,85 (21,53)	1190 (2624)	2070	14,80	2,915 (13,07)	284,0 (0,635)	21 (69)	90 (194)	86 (187)	18 (64)	61,0	750,6 (29,54)
(iv) MAXIMUM POWER (unballasted)													
1.	1,88 (1,17)	6,12 (6,03)	880 (1940)	2100	15,00	1,390 (6,24)	590,0 (1,315)	14 (57)	86 (187)	84 (183)	13 (54)	45,0	743,0 (29,25)
2.	2,80 (1,74)	9,08 (8,95)	875 (1928)	2095	14,30	1,800 (8,08)	460,0 (1,026)	14 (57)	87 (189)	84 (183)	13 (54)	45,0	743,0 (29,25)
3.	5,15 (3,19)	16,60 (16,36)	870 (1917)	2080	14,20	2,502 (11,21)	330,0 (0,738)	15 (58)	87 (189)	85 (185)	15 (58)	46,0	743,0 (29,25)
4.	7,52 (4,67)	24,10 (23,76)	867 (1906)	2065	14,60	3,152 (14,14)	260,0 (0,582)	16 (60)	88 (190)	85 (185)	15 (58)	46,0	743,0 (29,25)
5.	11,60 (7,20)	30,10 (29,60)	700 (1544)	2040	8,90	3,380 (15,16)	255,0 (0,570)	17 (62)	89 (192)	86 (187)	16 (60)	46,0	743,0 (29,25)
6.	22,75 (14,10)	31,20 (30,75)	370 (816)	2010	2,90	3,260 (14,62)	253,0 (0,562)	18 (64)	90 (194)	86 (187)	17 (62)	46,0	743,0 (29,25)

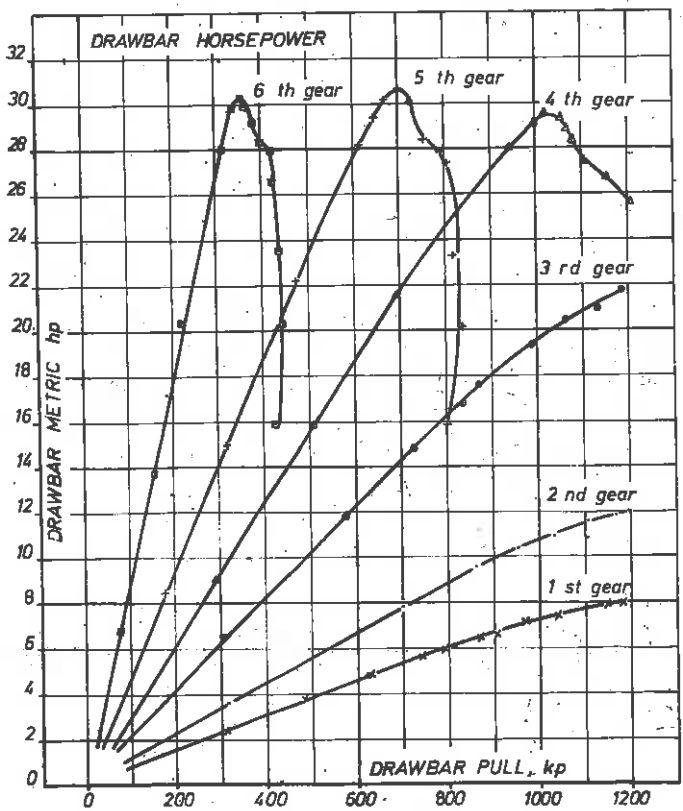
Total oil consumption during ten hours duration of tests (ii) and (iii): 63,2 gr/h = (0,139 lb/h)

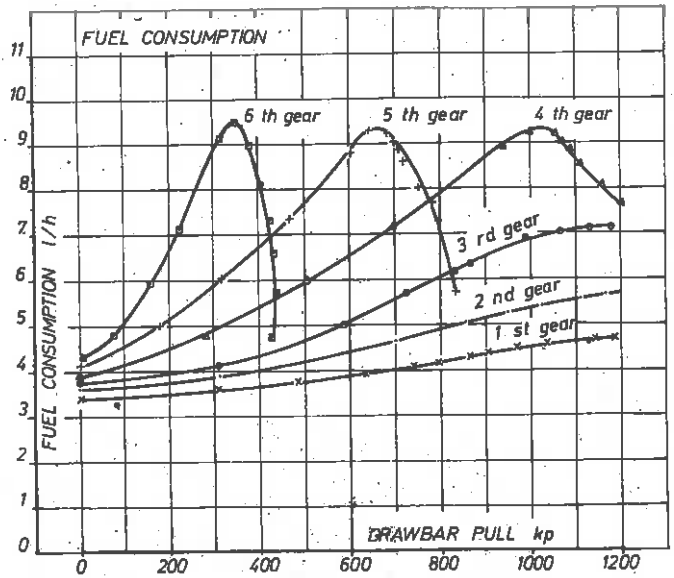
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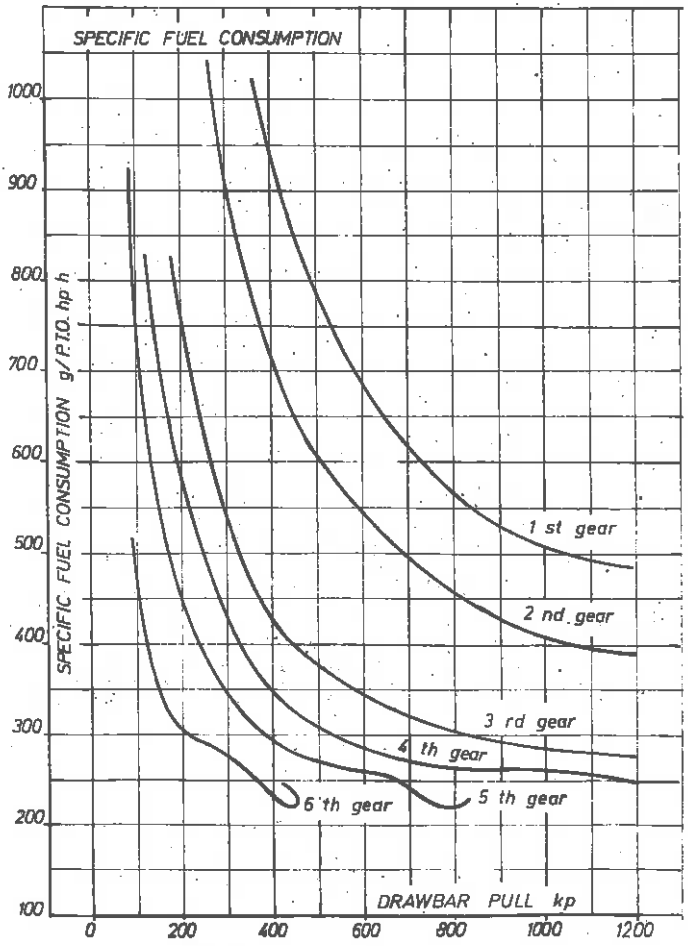
DRAWBAR TEST ON A TARMACADAN TRACK, WITH BALLAST



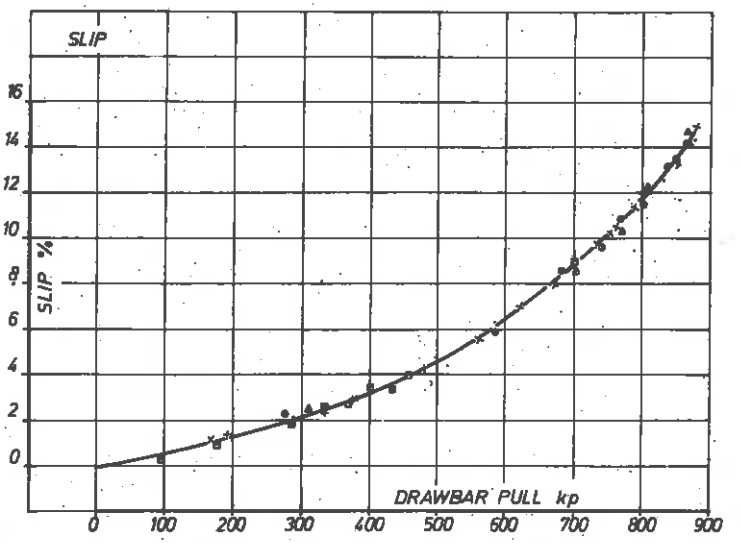

6 th gear
5 th gear
4 th gear
3 rd gear
2 nd gear
1 st gear
FORWARD SPEED, km/h
DRAWBAR PULL, kp
0
5
10
15
20
25
0
200
400
600
800
1000
1200

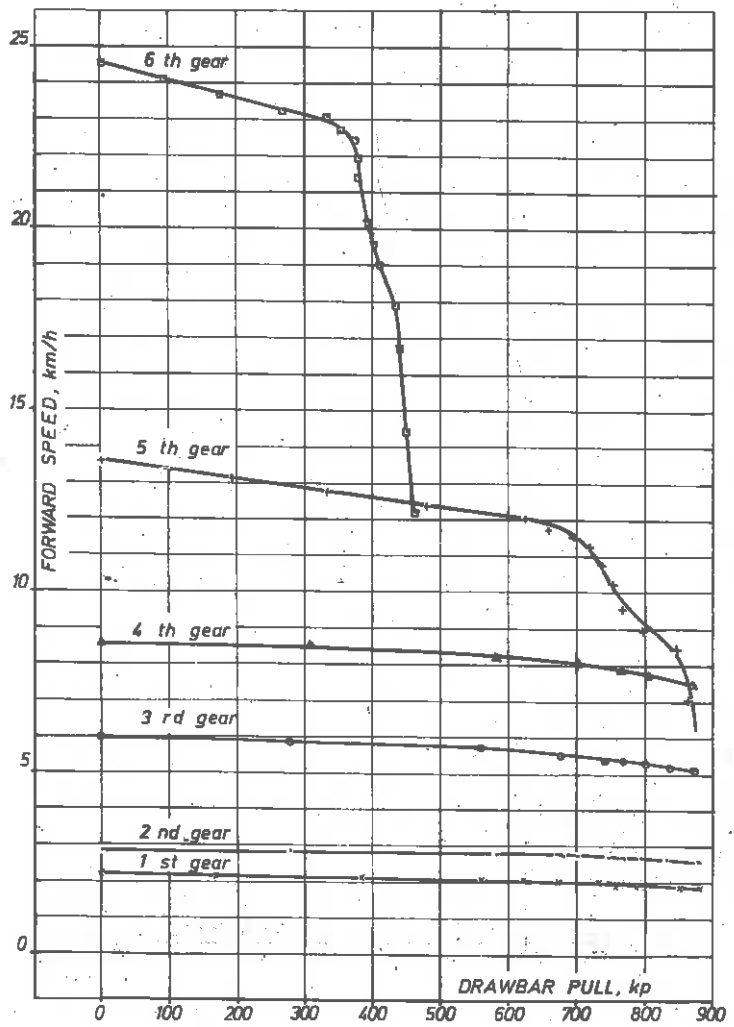

DRAWBAR HORSEPOWER
6 th gear
5 th gear
4 th gear
3 rd gear
2 nd gear
1 st gear
DRAWBAR METRIC hp
DRAWBAR PULL„ kp
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
0
200
400
600
800
1000
1200

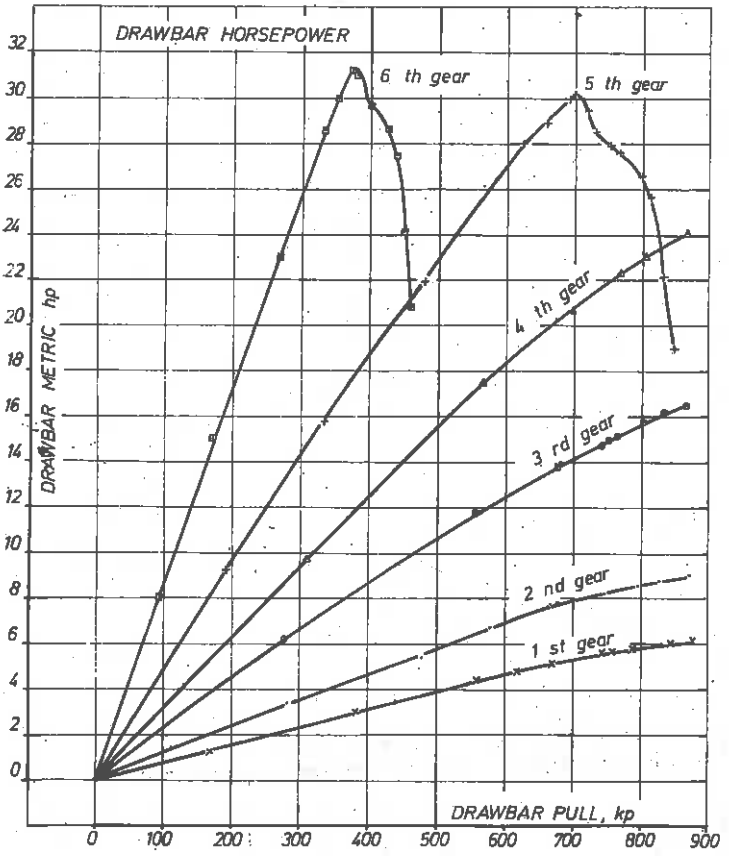

FUEL CONSUMPTION
6 th gear
5 th gear
4 th gear
3 rd gear
2 nd gear
1 st gear
FUEL CONSUMPTION l/h
DRAWBAR PULL kp
0
1
2
3
4
5
6
7
8
9
10
11
0
200
400
600
800
1000
1200

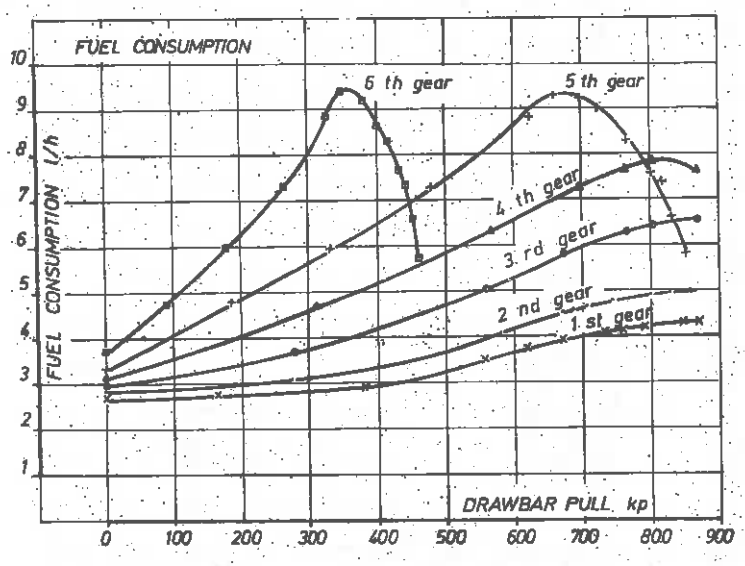

SPECIFIC FUEL CONSUMPTION
SPECIFIC FUEL CONSUMPTION g/P.T.O. hp h
1000
900
800
700
600
500
400
300
200
100
0
200
400
600
800
1000
1200
DRAWBAR PULL kp
1 st gear
2 nd gear
3 rd gear
4 th gear
5 th gear
6 th gear

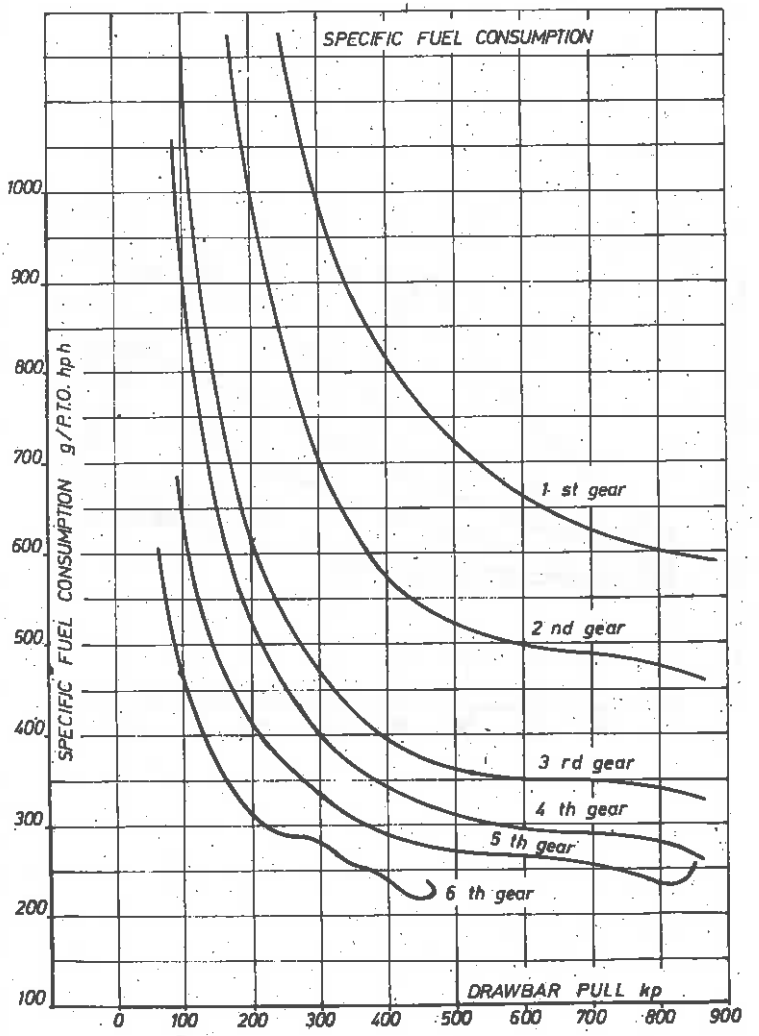
DRAWBAR TEST ON A TERMACADAN TRACK, WITHOUT BALLAST




25
20
15
10
5
0
FORWARD SPEED, km/h
6 th gear
5 th gear
4 th gear
3 rd gear
2 nd gear
1 st gear
0
100
200
300
400
500
600
700
800
900
DRAWBAR PULL, kp


DRAWBAR HORSEPOWER
6 th gear
5 th gear
4 th gear
3 rd gear
2 nd gear
1 st gear
DRAWBAR METRIC hp
DRAWBAR PULL, kp
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
0
100
200
300
400
500
600
700
800
900


FUEL CONSUMPTION
FUEL CONSUMPTION l/h
6 th gear
5 th gear
4 th gear
3. rd gear
2 nd gear
1. st gear
DRAWBAR PULL kp
10
9
8
7
6
5
4
3
2
1
0
100
200
300
400
500
600
700
800
900


SPECIFIC FUEL CONSUMPTION
SPECIFIC FUEL CONSUMPTION g/P.T.O. hp h
1000
900
800
700
600
500
400
300
200
100
1 st gear
2 nd gear
3 rd gear
4 th gear
5 th gear
6 th gear
DRAWBAR PULL kp
0
100
200
300
400
500
600
700
800
900

(3 and 4) TURNING SPACE AND TURNING CIRCLE

Details of wheel equipment: front: 6,00 - 16,4 ply without ballast

rear: 10 x 28, 6 ply without ballast

Track of wheels: front: 1219 mm (47,99 in)

rear: 1930 mm (75,98 in)

	With brakes		Without brakes	
	Right hand	Left hand	Right hand	Left hand
Radius of turning space	2,95 m (9,68 ft)	2,94 m (9,65 ft)	3,26 m (10,70 ft)	3,20 m (10,50 ft)
Radius of turning circle	2,85 m (9,35 ft)	2,84 m (9,32 ft)	3,16 m (10,37 ft)	3,10 m (10,18 ft)

(5) LOCATION OF CENTRE OF GRAVITY

Height above ground: 708 mm (27,89 in)

Distance forward from the vertical plane containing the axis of the rear wheels: 739 mm (29,10 in)

Distance from the median plane: 0 mm (0 in)

(6) BRAKING

Date of tests: 13th and 14th May 1970

Type of track: Tarmacadam

Type of deceleremeter: Brake recorder "Siemens", Type B 1 W

Travelling speed of tractor: 24,8 km/h (15,4 mile/h)

Cold brakes

	Tractor without ballast	Tractor with ballast
Maximum deceleration:	4,35 m/sec^2 (14,29 ft/sec^2)	4,55 m/sec^2 (14,95 ft/sec^2)

Stopping distance:	6,80 m (22,34)ft)	6,45 m (21,2 ft)
Force on brake pedal:	40 kp (88 lb)	50 kp (110 lb)

Brake fade characteristics (hot tests, tractor without ballast)

Maximum deceleration: hot/cold: 96%

Stopping distance: cold/hot : 91%

Force on pedal: cold/hot: 87%

Efficiency of hand brake or of parking latch: Hand brake does not exist; parking latch satisfactory

(7) MEASUREMENT OF AMIBIENT NOISE EMITTED BY THE TRACTOR

Date of tests: 23rd July 1970

Type of sound level meter: Precision Sound Level Meter Type 2203 Bruel & Kjaer

Type of track: Tarmacadam

Result of tests: gear: 6 - th

Travelling speed before acceleration: 18,5 km/h (11,49 mile/h)

Sound level: 88,5 dBA

(8) NOISE MEASUREMENTS AT THE DRIVER'S EAR LEVEL

Date of tests: 23rd July 1970

Type of sound level meter and octave filter: Precision Sound Level Meter Type 2203 + Octave Filter Set Type 1613, both of the firm Bruel & Kjaer

Type of track: Tarmacadam

Type of frequency analyser: Octave filter according to I.E.C.

Result of tests: gear: 4 - th

Travelling speed: 8,2 km/h (5,1 mile/h)

Sones: 109,9

(9) POWER LIFT

Date and location of tests: 8th and 11th May 1970
Institute of Agricultural Mechanization, Beograd - Zemun Yugoslavia

Hydraulic fluid: make and type: INA, Alfa D
viscosity index: SAE 40

	Vertical movement	Maximum force exerted through full lift range	Pressure	Lifting force in the moment when the front end of the tractor lifts off the ground
At lower hitch points (height above ground in down position 150 mm (5,91 in)	500 mm (19,7 in)	1455 kp (3210 lb)	180 kp/cm^2 (2560 lb/in^2)	Bigger than the maximum force exerted through full lift range
On the frame				
i) front end of the tractor is free	635 mm (25,0 in)	- -	140 kp/cm^2 (1990 lb/in^2)	815 kp (1797 lb)
(ii) front end of the tractor is fixed with a chain on the ground	635 mm (25,0 in)	1060 kp (2337 lb)	180 kp/cm^2 (2560 lb/in^2)	- -

The linkage system has only one position for attaching of load at lower hitch points.

Type of linkage lock for transport: Implement position control chains.

Opening pressure of the cylinder over pressure relief valve: 210 kp/cm^2 (2987 lb/in^2)

Test Engineers: S. ČANADI and N. MILOVANOVIĆ
Officer in charge: N. MILOVANOVIĆ
Director: V. VIDAKOVIĆ
Date: 30th June 1970