GEPRÜFT

O.E.C.D. Report No.: 314

BUNDESVERSUCHS - UND PRÜFUNGSANSTALT
für landwirtschaftliche Maschinen und Geräte,
Wieselburg

Diesel-Tractor URSUS C-350

Manufactured by: Zakłady mechaniczne »URSUS«, Warszawy, Poland



Serial No: 314
Date of Approval: 18th March 1970

Test No: 023/69
Date of Test: 19. 8. 1969

This report has been approved by the O.E.C.D. Coordinating Centre (C.N.E.E.M.A., France) as being in accordance with the O.E.C.D. Test Code

This Bulletin is based on engineering tests in accordance with the O.E.C.D. Tractor Test Code. It does not contain an evaluation of the performance of the tractor an practical farm work.

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Tractor manufacturer:	ZAKŁADY mechaniczne URSUS, Warszawy, Polska
Submitted for test by:	MOTOIMPORT, Warszawy, Polska
Selected by:	Manufacturer by agreement with Bundesversuchs- und Prüfungsanstalt für landwirtschaftliche Maschinen und Geräte, Wieselburg a.d. Erlauf
Place of running-in:	Manufacturer
Duration of running-in:	70 hours

SPECIFICATION OF TRACTOR

Tractor

Make:	Zakłady mechaniczne URSUS, Warszawy, Polska
Model:	URSUS C-350
Type:	Wheel tractor
Serial No.:	047334

Engine:

Make:	Zakłady mechaniczne URSUS
Model:	S-4001
Type:	Direct injection type Diesel, 4-stroke
Serial No.:	47628
Cylinders:	4 cylinders, vertical in line, bore/stroke: 95/110 mm; capacity: 3210 cm^3; compression ratio: 17 : 1; arrangement of valves: overhead; wet replacable cylinder liners
Fuel system:	Type of fuel feed: piston feed pump; fuel filter: strainer in the tank; dual chamber filter with felt and paper elements, model FVD-10 RP 1.8; capacity of fuel tank: 70 l; injection pump: FRIEDMANN & MAIER P24T8-3a 71 B FVR; manufacturers production setting: injection timing 18° before TDC; injection nozzle: FRIEDMANN & MAIER D1LMK 150/15; injection pressure: 160 kp/cm^2
Governor:	Make: FRIEDMANN & MAIER, type: centrifugal governor, model R8V20-120/55B; range of speed: 450 - 2200 rev/min; rated speeds for p.t.o.-work (540 rev/min) 1994 rev/min field work ..... 2000 rev/min transportation work ..... 2000 rev/min belt work (900 m/min) 1989 rev/min
Air cleaner:	Make: URSUS VT-251 Type: oil bath centrifugal filter; oil capacity: 1,3 l

Lubrication system:	Forced feed from gear type pump; type of filter: centrifugal full flow filter; oil capacity: app. 9 l; change period: 100 hours, recommended oil in summer: SAE 30 in winter: SAE 20
Cooling system:	Water circulation by water pump; thermostat for temperature control; cooling water capacity: appr. 11 l; temperature indicator
Starting system:	Electrical; make: ELMOT 125/4 PS; 12 V, 4 hp; aids for cold starting: none

Electrical system:

Voltage:	12 V
Generator:	ELMOT P4m; 12 V, 13 A, 150 W; direct current
Battery:	ZAP 3SE 190 SE-acid battery, 2 x 6 V, 190 Ah

Transmission:

Clutch:	Make: URSUS; type: dry dual disk type clutch for travelling gear and engine p.t.o.; model: 280/280 FERODO; foot pedal operated
Gearbox:	Make: URSUS; type: selecting gear; 10 forward speeds and 2 reverse
Rear axle and final drive:	Make: URSUS; type: central axle, bevel gear drive with Oerlikon cut, acting by planetary gear and intermediate gear on rear wheels; differential lock: lockable bevel differential gear in the rear axle
Oil capacity:	Gearbox and rear axle: appr. 31 l; final drive: appr. 2,5 l each (SAE 80); change period: 800 hours

Total ratios and speeds:

Gear No.	Number of engine revolutions for one revolution of the driving wheel	Nominal travelling speed for rated speed of engine 2000 rev/min
1.	424,70	1,13 km/h
2.	285,50	1,67
3.	204,78	2,34
4.	133,41	3,59
5.	79,78	5,99
6.	99,21	4,82
7.	66,70	7,17
8.	47,83	9,99
9.	31,20	15,34
10.	18,68	25,60
1.R.	325,49	1,47
2.R.	76,04	6,29

Power take-off:	
Location:	At rear of tractor, in median plane of tractor; height above ground 633 mm
Dimensions:	29 x 34,9 x 8,7 = 1 3/8", 6 splines,(acc. to DIN 9611 Form A)
Speed:	542 rev/min at rated engine speed 2000 rev/min, engine speed 1994 rev/min at standard p.t.o. speed 540 rev/min
Direction of rotation:	Right viewed from driving end
Ground speed:	Travelling distance for 1 revolution of ground speed p.t.o. 0,0838 m; gear ratio between driving wheel and p.t.o.: 1 : 48,3; direction of rotation: right viewed facing driving end with tractor in forward gear
Belt pulley:	
Location:	At rear of tractor; driving device attached to p.t.o.; manually engaged
Dimensions:	250 mm dia, 150 mm width
Speed:	1153 rev/min at 2000 rev/min rated engine speed; linear belt speed 905 m/min
Engine speed:	1989 rev/min at standard belt speed 900 m/min
Direction of rotation:	Right viewed from driving end
Power lift:	Make: ARCHIMEDES, Wroclaw; type oil hydraulic; oil capacity: 31 l (oil volume in the gear box); external tapping; vertical lift movement above ground: 585 mm to 805 mm
Pull attachments:	
Drawbar:	Three point implement linkage; height above ground: max. 805 mm, min. 220 mm; method of changing position: adjustable by power lift; distance from rear axle: 880 mm (horizontal); position relative to p.t.o.: 620 mm; 15 holes with 40 mm distance, 21,5 mm dia
Inflexible drawbar:	Height above ground: 430 mm; distance from rear axle: 410 mm; position relative to p.t.o.: 155 mm; 5 holes with 64 mm distance, 27,5 mm dia
Trailer hitch:	Height above ground: 630/705/795 mm; distance from rear axle: 480/510/520 mm; position relative to p.t.o.: 230/260/260 mm
Towing hitch:	Height above ground: 650 mm; distance from front axle: 170 mm
Steering:	Make: URSUS; type: worm roller steering; method of operation: by hand wheel; oil capacity: 1,6 l

Brakes: Make: URSUS; type: hydraulic shoe brake intepent acting on both rear wheels; method of operation: by foot pedal; type of parking brake: strap brake acting on rear wheels; method of operation: by hand lever

Wheels:

Steering wheels: Two at front; type of tyres: tractor front wheel tyres; size: 6,00-18; ply rating: 6; maximum permissible weight on each tyre: 510 kp at 2,0 kp/cm^2 pressure; track width: 1350/1750 mm; method of changing: sliding tube-axle

Driving wheels: Two at rear; type of tyres: tractor driving wheel tyres; size: 14,9/13-28; ply rating: 6; maximum permissible weight on each tyre: 1690 kp at 1,3 kp/cm^2 pressure; track width: 1350/1425/1500/1575/1725/1800 mm; method of changing: changed by reversing wheels and offset lug type rims; wheel base: 2140 mm

Tractor and ballast weights:

(without driver but with tank full)

Weight without ballast:
Front: 750 kp
Rear: 1396 kp
Total: 2146 kp

Ballast:
Front: 4 weights per wheel 82,50 kp
total 165 kp
Rear: 4 weights per wheel 132 kp
total 264 kp
water per wheel 150 kp
total 300 kp

Weight with full ballast:
Front: 915 kp
Rear: 1960 kp
Total: 2875 kp

Seat: Make: URSUS; type: mould seat; suspension: parallelogram; damping: adjustable frictional damping adjustment: by screwing axial adjustment: 90 mm

Number of grease points: (whole tractor): 13

Overall dimensions:

Overall lenght: 3250 mm
Overall width: 1800 mm, at rear wheel track 1425 mm, with and without ballast weights
Overall height: 1620 mm without cab
Ground clearance: 436 mm

Lighting:

	Height above ground of centre cm	Diameter cm	Distance from outside edge of tractor to centre cm
Head lights	1,08	14	55
Side lights	-	-	-
Rear lights	112	14 x 5,8	28
Reflectors	109	5	100

Pneumatic brake for trailer:

Compressor: Make: ZAKŁADY mech. Tarnów; model WS 11; 1 cylinder; bore/stroke: 65/42 mm; capacity at 1000 rev/min: 5,5 - 5,8 m^3/h; nominal pressure: 6 kp/cm^2; disengeable by hand; tyre pump equipment

Air box: Make: MZM; model: 20 b BN-65/3617-05; capacity: 20 l; pressure: 8 kp/cm^2; working pressure for trailer braking: 4,8 - 5,3 kp/cm^2

FUELS AND LUBRICANTS USED IN TESTS

Laboratory and track tests: Fuel: ELAN Diesel fuel, specific gravity at 15°C: 0,840 kp/l, Cetane No. 46,8 (quality corresponds with DIN 51601);

engine oil: BP Tractor oil UNIVERSAL SAE 30

transmission oil: BP Tractor oil UNIVERSAL SAE 30

COMPULSORY TESTS

POWER TAKE-OFF PERFORMANCE

Date and location of tests: 9th July 1969, Wieselburg
Type of dynamometer: Siemens-Schuckert pendulum generator 273/15

Horsepower (metric) hp	Speed		Fuel consumption		
	engine rev/min	p.t.o. rev/min	total l/h	specific g/hph	specific hph/l
Maximum power - 2 hours test					
43,30	1996	541	10,70	207	4,045
At standard p.t.o. speed (540 rev/min)					
43,30	1996	541	10,72	208	4,035
At standard belt speed					
43,30	1989	539	10,72	208	4,035
At the speed recommended by the manufacturer for drawbar work					
43,30	1996	541	10,72	208	4,035
Fuel consumption at part loads 85% of torque at maximum power					
38,10	2060	558	9,43	208	4,040
Unloaded					
0	2190	593	3,0	-	-
50% of torque at maximum power					
23,70	2135	578	6,66	236	3,560
Maximum power					
43,30	1996	541	10,72	208	4,035
25% of torque at maximum power					
11,90	2170	588	4,88	344	2,440
75% of torque at maximum power					
33,95	2090	566	8,48	210	4,00

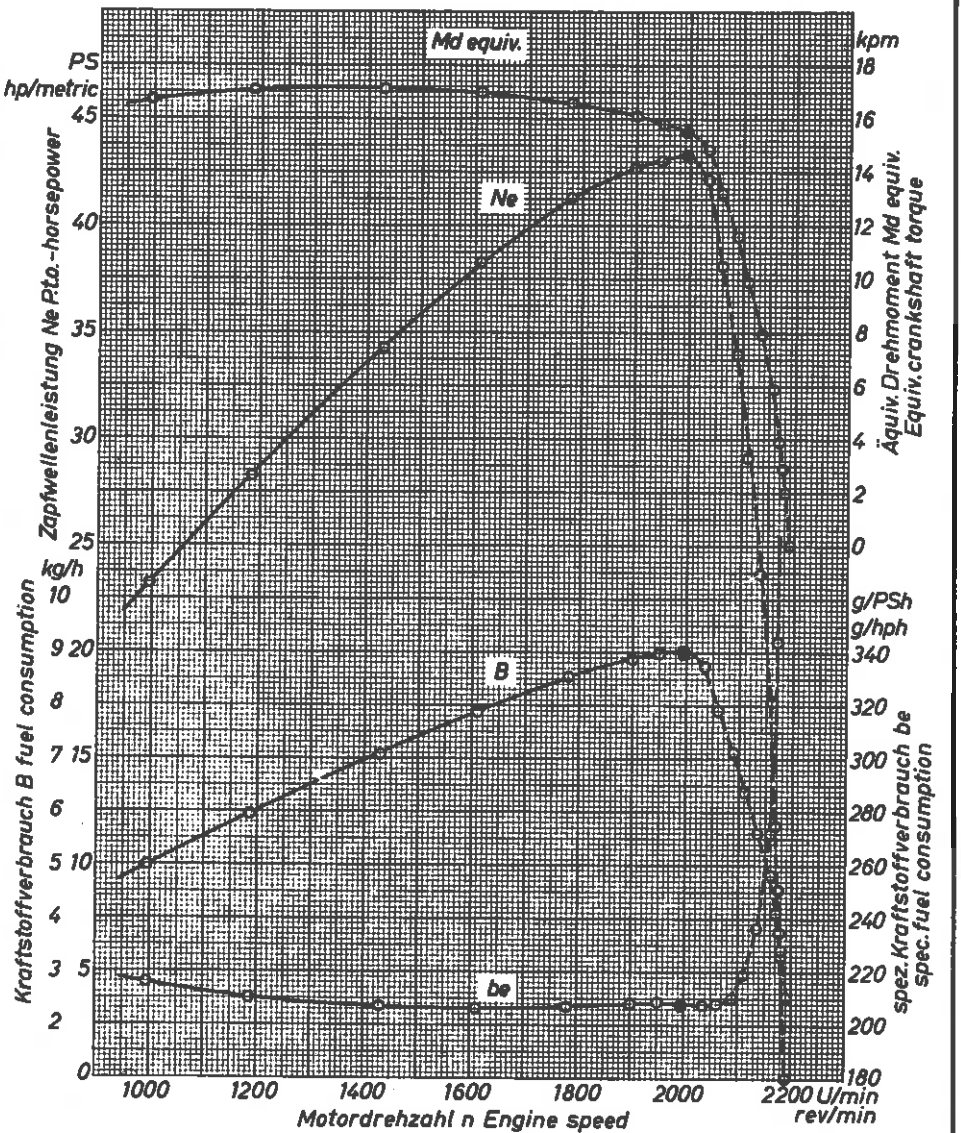
No load maximum engine speed: 2190 rev/min
Equivalent torque at maximum power: 15,54 kpm
Maximum torque: 17,15 kpm at 1430 rev/min of the engine
Mean atmospheric conditions: temperature: 24°C (aspiration temp. 25°C)
pressure: 747 mm Hg
relative humidity: 60 %
Maximum temperature: coolant: 90°C
engine oil: 97°C
fuel: 72°C

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69

Zapfwellenprüfung
P.t.o. - test

URSUS-Dieseltraktor
Typ C-350
Mot. Typ URSUS S-4001

●Dauerleistung (Mittelwert) sustained power (average)

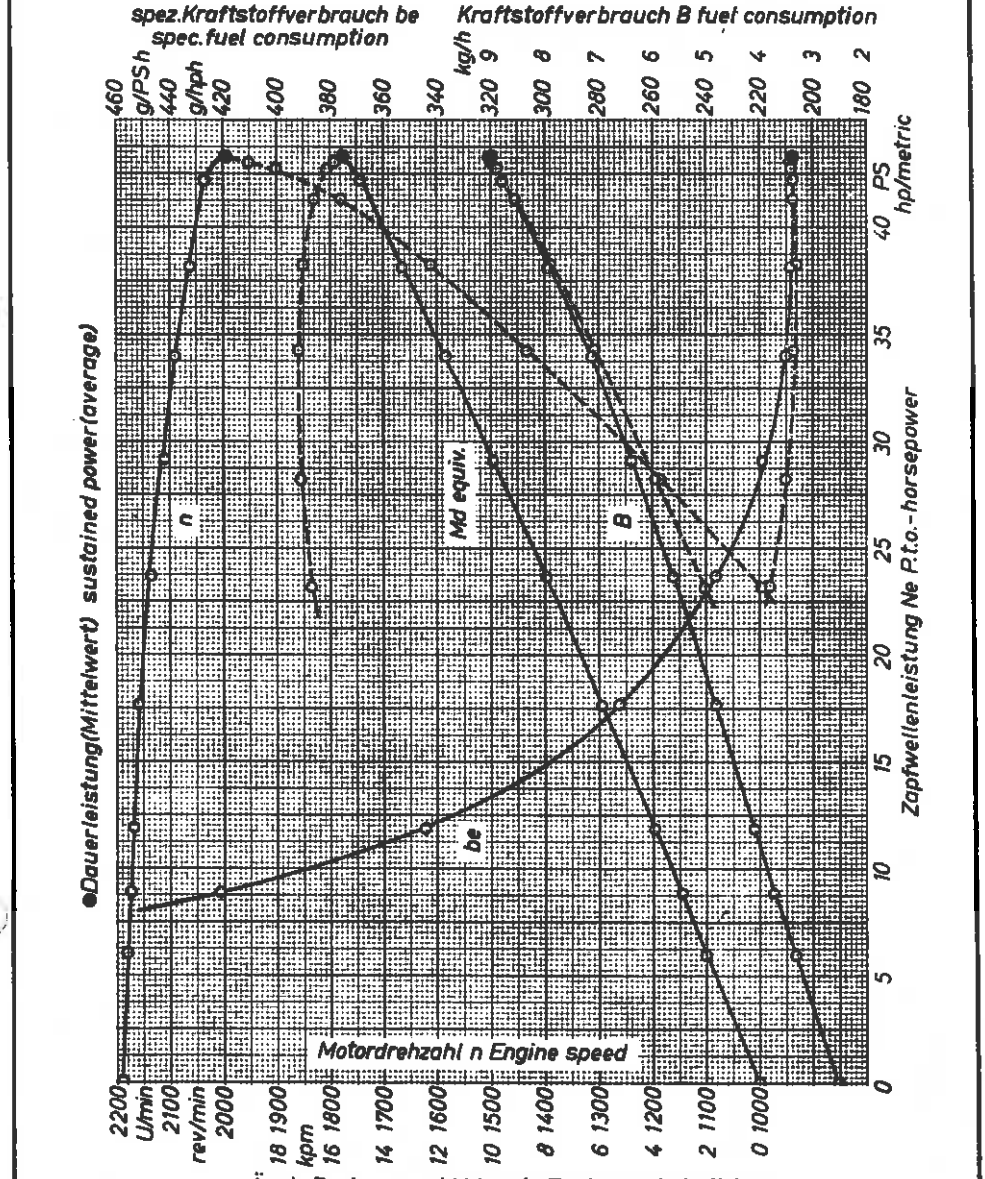


Motor Nr.: 47628	Barometerstand: 747 mm Hg	Kühlwassertemp: 88°C	Versuchstag: 9. 7. 1969	Vers.-Leitung:
Schlepper Nr.: 047334	Lufttemperatur: 24°C	Öltemperatur: 86/94°C	Versuchs Nr.: 92/Za84	A. Raitter
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp: 69°C	Kurvenblatt: 1	

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Typ C-350
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Kraftstoff: 0,840/15 °C	Motoröl: BP Univ. SAE 30	Kraftstofftemp: 69 °C	Kurvenblatt: 2	

DRAWBAR PERFORMANCE

Date of tests: 24th to 28th July 1969
Type of track: concrete
Height of drawbar above ground: 640 mm ballasted, 700 mm unballasted

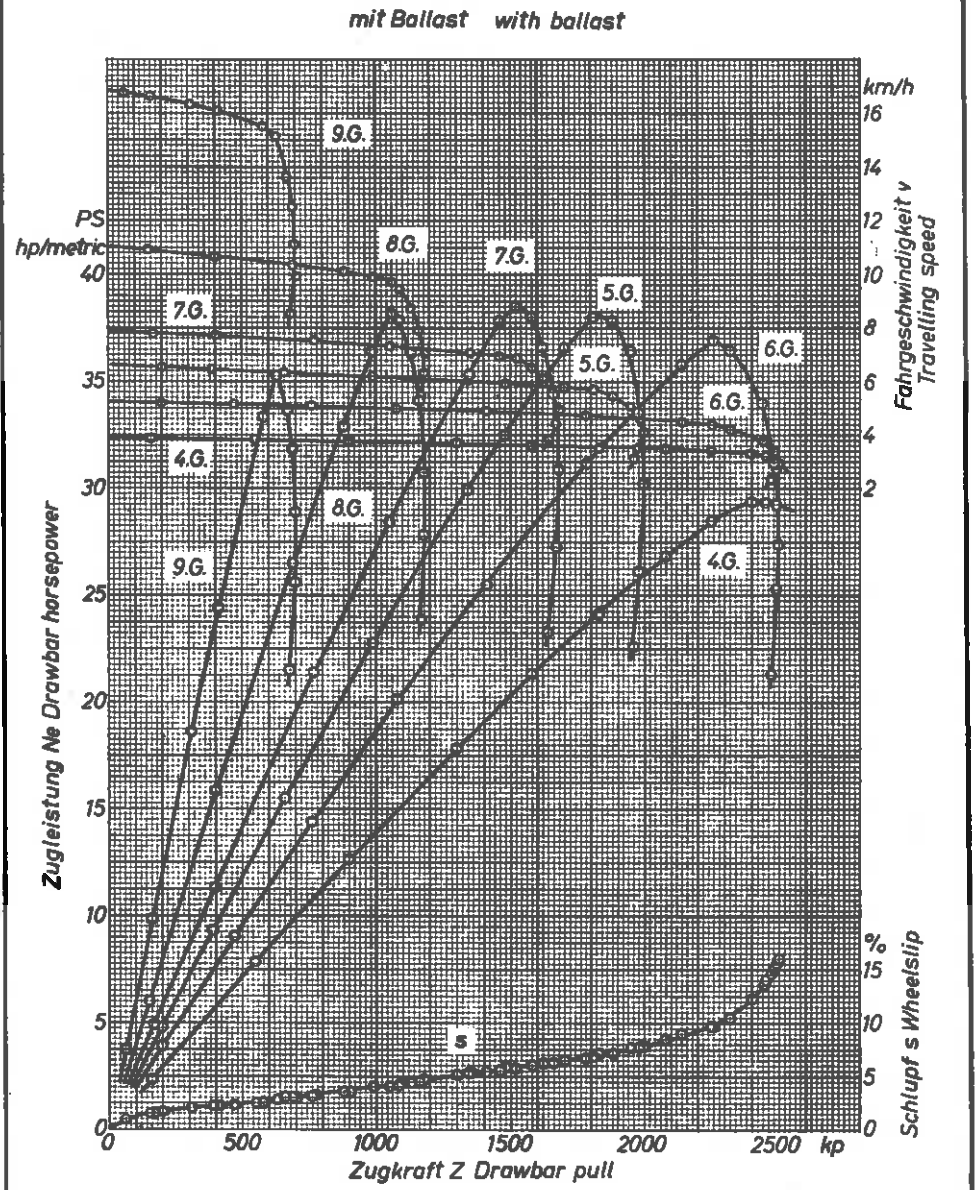
Gear No.	Horse-power (metric) hp	Draw-bar pull kp	Engine speed rev/min	Slip of wheels %	Specific work hph/l	Specific fuel consumpt. g/hph	Temperatures Fuel °C	Coolant °C	Engine oil °C	Atmospheric conditions Tempera-ture °C	Relative humidity %	Press. mm/hg
MAXIMUM POWER (ballasted)												
4.	29,4	2400	2070	12,2	3,12	269	58	84	87	24	65	750
6.	36,9	2260	1995	9,6	3,37	249	54	82	87	26	60	750
5.	38,0	1810	2000	6,8	3,48	241	54	85	88	28	55	750
7.	38,5	1520	1990	5,6	3,53	238	53	84	86	30	50	750
8.	38,2	1060	1995	4,1	3,50	240	50	84	85	30	40	750
9.	35,3	630	2000	2,9	3,24	259	51	84	85	30	38	750
FIVE HOUR TEST at 75% of pull at maximum power												
5.	33,0	1500	2070	6,2	3,45	243	60	90	90	27	46	748
FIVE HOUR TEST at pull corresponding to 15% wheel slip												
6.	32,7	2450	1800	15,4	3,23	260	62	93	91	26	48	748
MAXIMUM POWER (unballasted)												
5.	35,5	1790	2000	13,4	3,245	259	57	83	86	25	65	750
7.	37,3	1500	1995	8,8	3,42	245	53	82	84	25	64	750
8.	38,25	1070	2005	6,3	3,525	238	50	83	85	26	60	750
9.	36,7	655	2000	4,0	3,345	251	50	83	84	28	58	750

Total oil consumption during ten hours duration of test = 450 g

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Zugprüfung
Drawbar-test

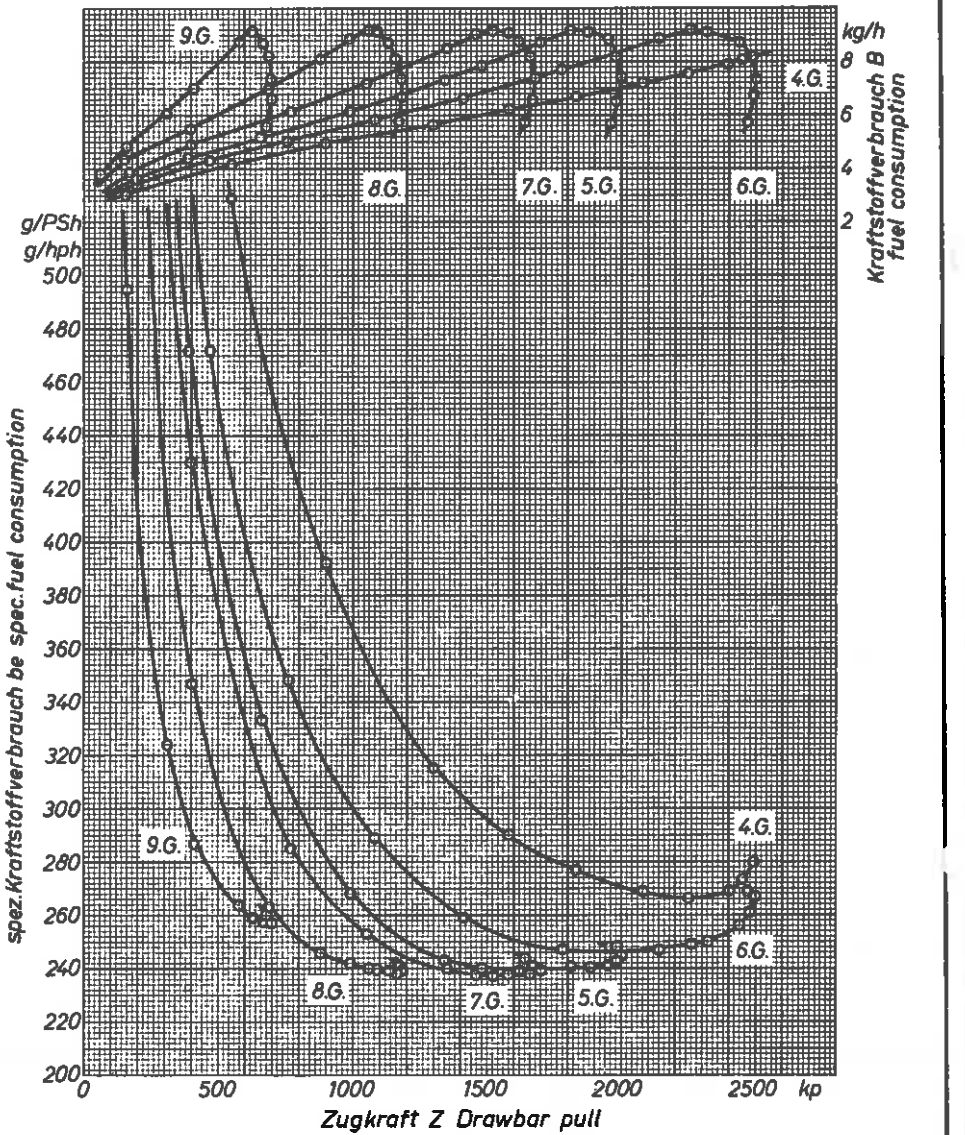
URSUS-Dieseltraktor
Typ C-350
Mot. Typ URSUS S-4001



Motor Nr.: 47628	Barometerstand: 750 mm Hg	Kühlwassertemp.: 84°C	Versuchstag: 28.7.1969	Vers.-Leitung:	
Schlepper Nr.: 047334	Lufttemperatur: 24–30°C	Öltemperatur: 85–88°C	Versuchs Nr.: 92/Zu427–432		
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp.: 58°C	Kurvenblatt: 3	A. Reitler	

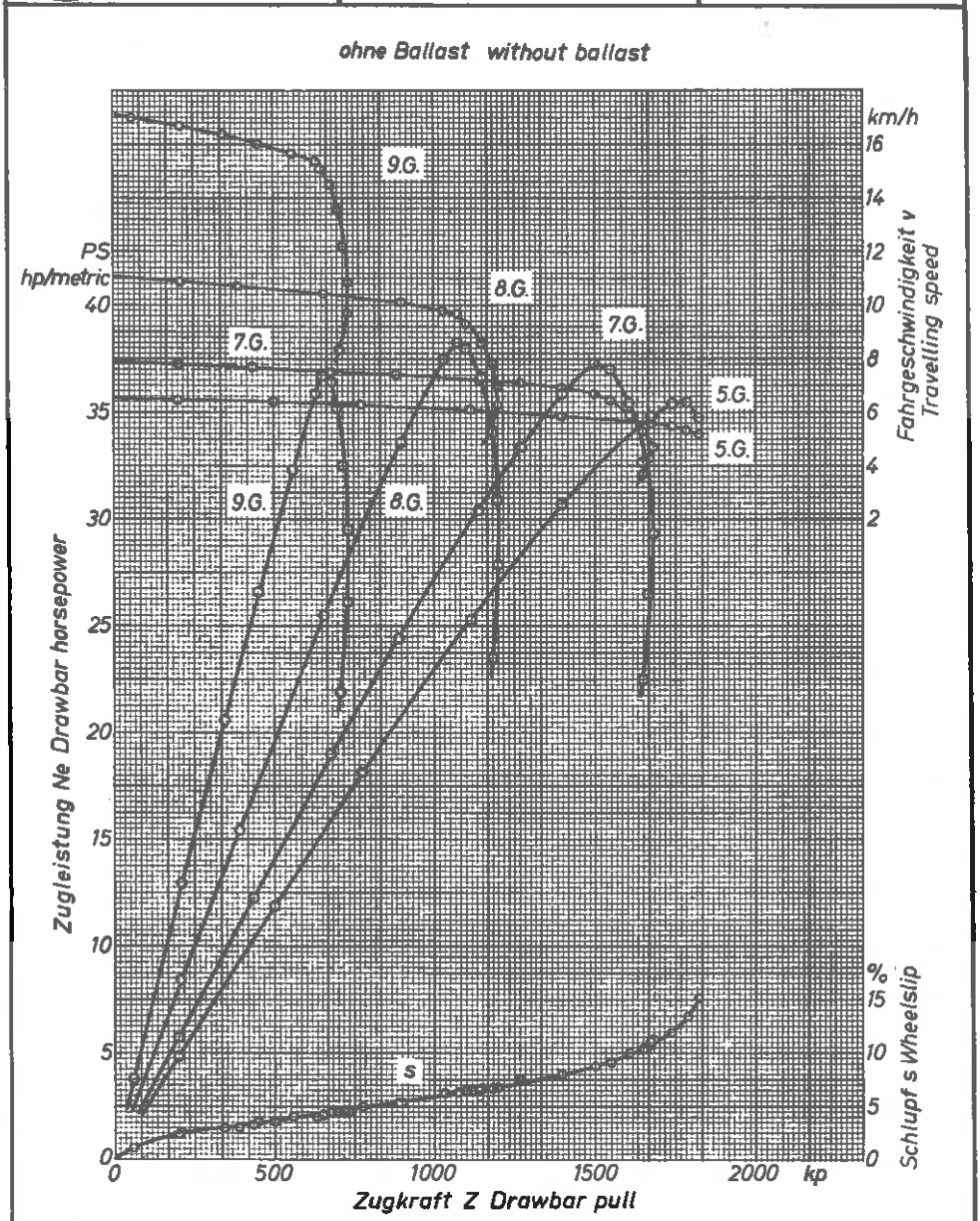
BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69	**Zugprüfung** **Drawbar-test**	URSUS-Dieseltraktor Typ C-350 Mot. Typ URSUS S-4001

mit Ballast with ballast



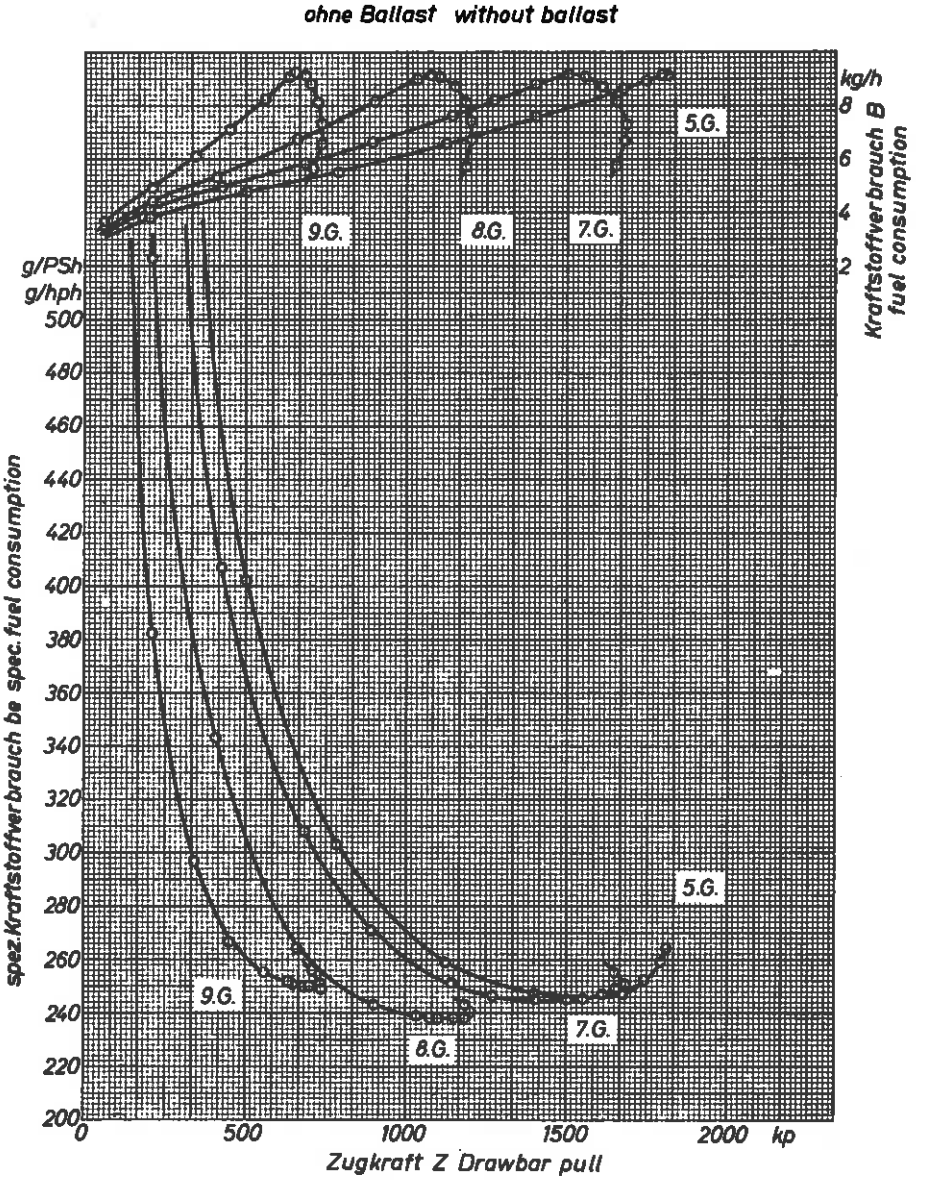
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Schlepper Nr.: 047334	Lufttemperatur: 24-30°C	Öltemperatur: 85-88°C	Versuchs Nr.: 92/Zu427-432	
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp: 58°C	Kurvenblatt: 4	A. Reitter

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69	**Zugprüfung Drawbar-test**	URSUS-Dieseltraktor Typ C-350 Mot. Typ URSUS S-4001



Motor Nr.: 47628	Barometerstand: 750 mm Hg	Kühlwassertemp.: 83°C	Versuchstag: 24.7.1969	Vers.-Leitung:
Schlepper Nr.: 047334	Lufttemperatur: 25–28°C	Öltemperatur: 84–86°C	Versuchs Nr: 92/Zu433–436	A. Rattler
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp.: 57°C	Kurvenblatt: 5	

BUNDESVERSUCHS- U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69	**Zugprüfung** **Drawbar - test**	URSUS-Dieseltraktor Typ C-350 Mot. Typ URSUS S-4001



Motor-Nr.: 47628	Barometerstand: 750 mm Hg	Kühlwassertemp: 83°C	Versuchstag: 24.7.1969	Vers.-Leitung:
Schlepper-Nr.: 047334	Lufttemperatur: 25-28°C	Öltemperatur: 84-86°C	Versuchs Nr.: 92/Zu433-436	A. Pauliner
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp: 57°C	Kurvenblatt: 6	

TURNING SPACE AND TURNING CIRCLE

Wheel equipment front: 6,00-18, 6 ply, without ballast
rear: 14,9/13-28, 6 ply, without ballast

Track of wheels front: 1350 mm
rear: 1425 mm

	With brakes		Without brakes	
	right-hand	left-hand	right-hand	left-hand
Radius of turning space	3,49 m	3,37 m	3,84 m	3,79 m
Radius of turning circle	3,40 m	3,28 m	3,75 m	3,70 m

LOCATION OF CENTRE OF GRAVITY

Height above ground ..... 852 mm

Distance forward from the vertical plane containing the axis of the rear wheels ..... 730 mm

Distance from the median plane of the tractor ..... 3 mm

BRAKE TESTS

Date of tests: 24th and 31st July 1969
Type of track: concrete
Instrument: Recorder for deceleration and force on pedal MOTO-METER No. 03382, Tüv-Typ-Prüf.-Nr. 04/Stuttgart

Travelling speed of tractor: 25 km/h

Cold brakes:

Results	Tractor without ballast	Tractor with ballast
Maximum deceleration m/s^2	4,8	4,3
Stopping distance m	12,3	10,1
Force on pedal kp	33	40

Brake fade characteristics (hot test)

Tractor without ballast:
Deceleration: hot/cold 69 %
Stopping distance: cold/hot 85 %
Force on pedal: cold/hot 67 %

Efficacy of parking brake

Force on the hand lever of the brake at cold and hot condition: 45 kp. Hereby the rear wheels of the tractor slides by dragging.

MEASUREMENT OF AMBIENT NOISE EMITTED BY THE TRACTOR

Date of tests: 30th July 1969
Type of track: concrete (on open land)
Type of sound level meter: Precisions Sound Level Meter Type 2203, Brüel & Kjäer/Copenhagen

Results of tests:

Gear: 10.
Travelling speed: 19 km/h
Sound level: 86 dbA

NOISE MEASUREMENT AT THE DRIVER'S EAR

Date of test: 31st July 1969
Type of track: concrete
Type of sound level meter: Precisions Sound Level Meter Type 2203,
Type of octavfilter: Octave Filter Set Typ 1613, Brüel & Kjäer/Copenhagen

Tractor without cab

Results of tests:

Gear	Travelling speed km/h	dbA	sones
4.	3,50	94,5	
6.	4,68	94,5	
5.	5,94	95,0	
7.	7,09	94,5	86
8.	8,28	94,5	
9.	15,70	95,0	

The first gear tested corresponds to the travelling speed nearest to 7,25 km/h
Sone evolution according to Stevens

POWER LIFT PERFORMANCE

Date and location of test: 9th August 1969, Wieselburg
Hydraulic fluid: BP Tractor oil UNIVERSAL SAE 30

	Vertical movement mm	Maximum force exerted through full range kp	pressure kp/cm^2
Linkage giving maximum mechanical advantage: only one adjusting possible	585	1300	119
At lower hitch points (height above ground in down position) 220 mm on the frame	585	950	120

Type of linkage lock for transport: by oil circuit steering
Oil temperature: 60°C
Relief of front axle: with frame at 1100 kp
Acc. to manufacturers specification: working pressure 120 kp/cm^2; pump delivery at 1200 rev/min = 20 l (at rated engine speed 2000 rev/min)

Repairs and adjustments during tests: None
Remarks: None

Head of department:
Dipl.Ing.Zehetner

Officer in charge:
A.Reither

The director:
Dipl.Ing.Dr.Scheruga
Hofrat

OPTIONAL TESTS

ENGINE TEST

Date and location of tests: 2nd July 1969, Wieselburg
Type of dynamometer: Siemens-Schuckert pendulum generator G 273/15

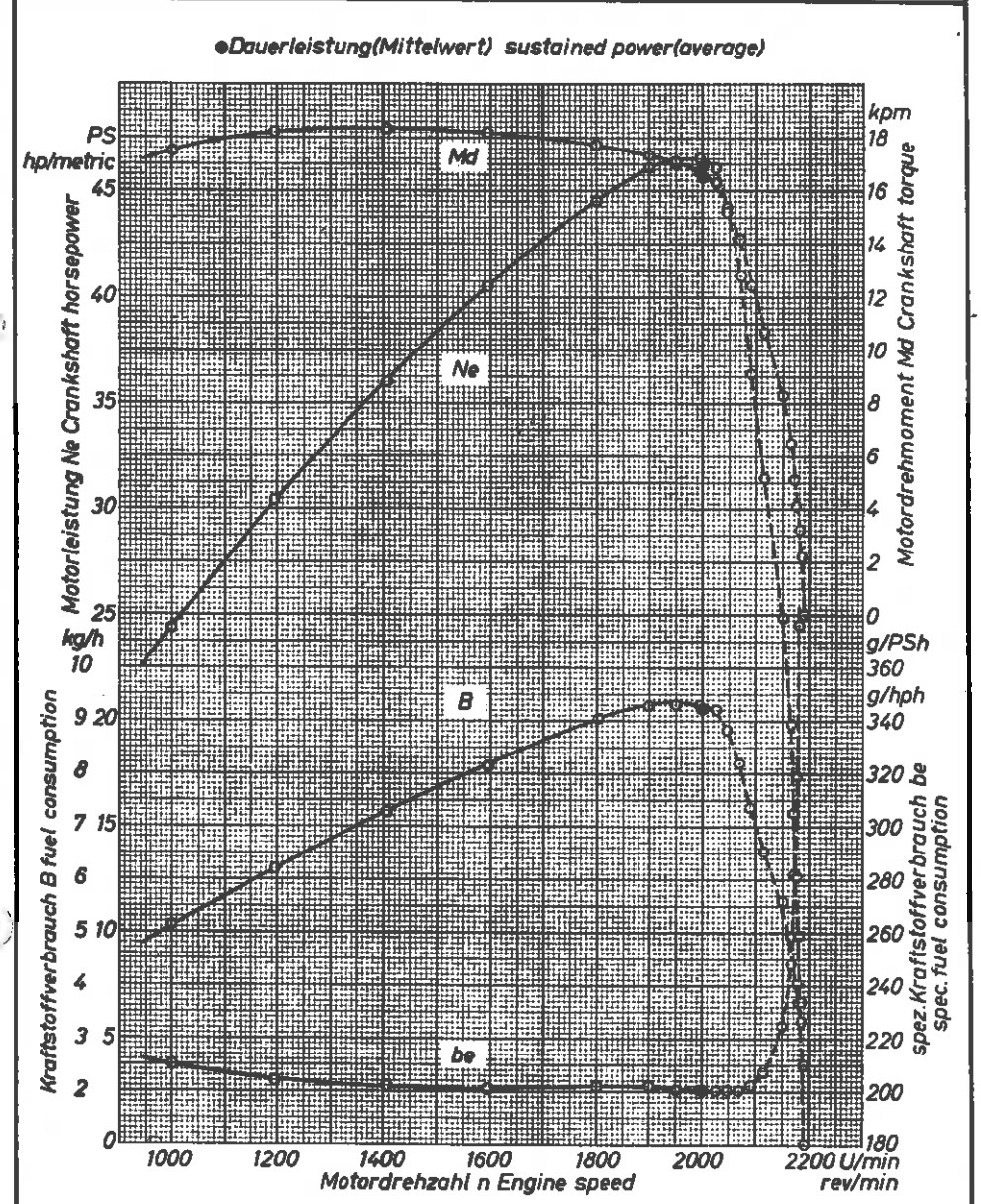
Horsepower (metric) hp	Speed		Fuel consumption		
	engine rev/min	p.t.o. rev/min	total l/h	specific g/hph	specific hph/l
Maximum power - 2 hours test					
46,15	1997	541	11,01	200	4,190
At standard p.t.o. speed (540 rev/min)					
46,50	1995	540	11,10	200	4,190
At standard belt speed					
46,50	1989	539	11,10	200	4,190
At the speed recommended by the manufacturer for drawbar work					
46,50	1995	540	11,10	200	4,190
Fuel consumption at part loads 85% of torque at maximum power					
41,0	2070	561	9,76	200	4,20
Unloaded					
0	2190	593	2,99	-	-
50% of torque at maximum power					
24,85	2150	582	6,65	225	3,735
Maximum power					
46,50	1995	540	11,10	200	4,190
25% of torque at maximum power					
12,62	2175	589	4,80	319	2,630
75% of torque at maximum power					
36,35	2090	566	8,76	202	4,150

Optimum fuel consumption: 200 g/hph at 46,1 hp and 2025 rev/min
No load maximum engine speed: 2190 rev/min
Torque at maximum power: 16,7 kpm
Maximum torque: 18,35 kpm at 1405 rev/min of the engine
Mean atmospheric conditions: temperature: 24°C (aspiration temp. 25°C
pressure: 747 mm Hg
relative humidity: 52 %
Maximum temperature: coolant: 93°C
engine oil: 98°C
fuel: 78°C

BUNDESVERSUCHS- U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69

Motorprüfung
Engine - test

URSUS-Dieseltraktor
Typ C-350
Mot. Typ URSUS S-4001

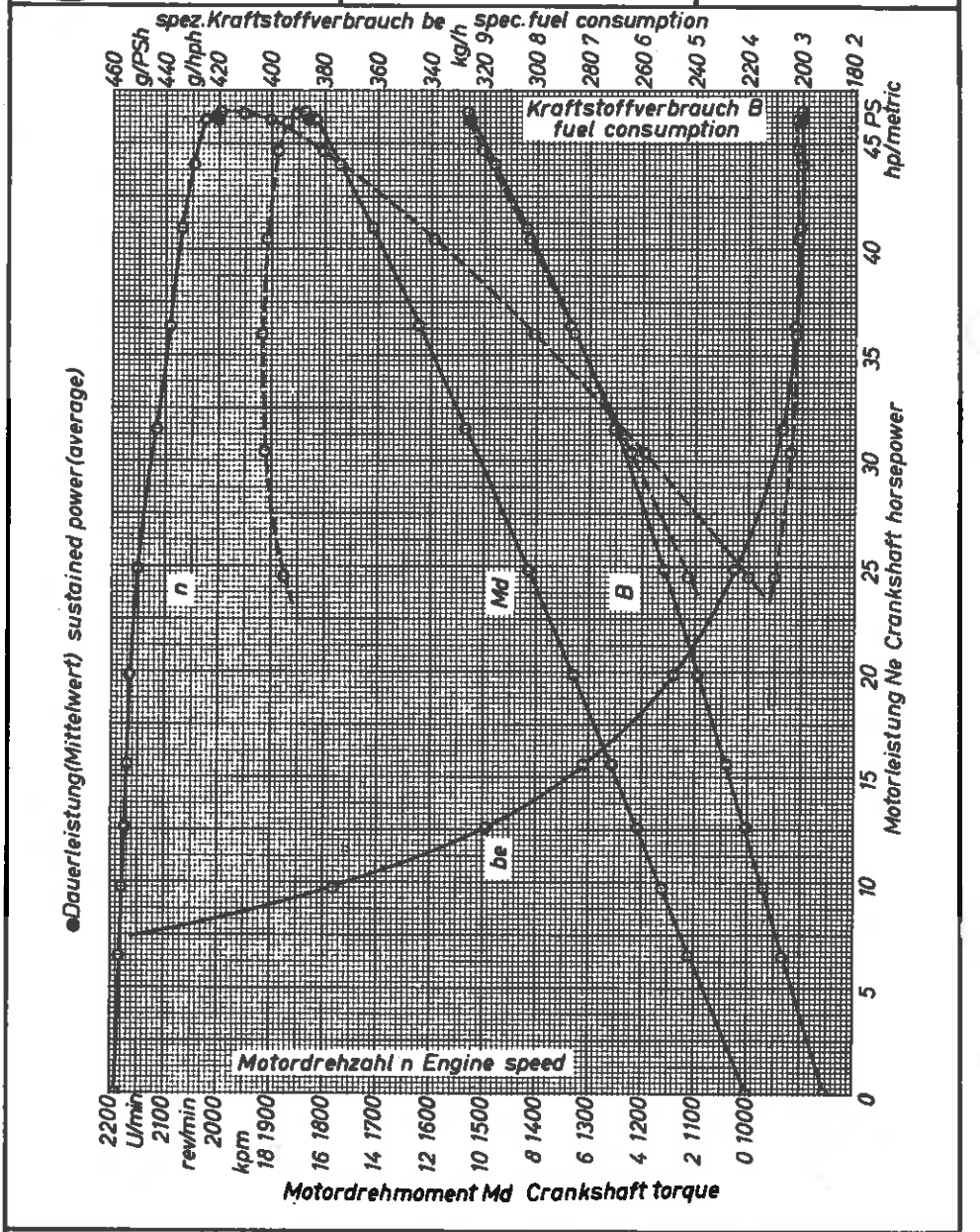


Motor Nr.: 47628	Barometerstand: 747mm Hg	Kühlwassertemp: 88°C	Versuchstag: 2.7.1969	Vers.-Leitung:
Schlepper Nr.: 047334	Lufttemperatur: 24/27°C	Öltemperatur: 92/96°C	Versuchs Nr.: 92/M121	A. Reitter
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp: 74°C	Kurvenblatt: 7	

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69

Motorprüfung
Engine - test

URSUS-Dieseltraktor
Typ C-350
Mot.Typ URSUS S-4001



Motor Nr.: 47628	Barometerstand: 747 mm Hg	Kühlwassertemp: 88°C	Versuchstag: 2.7.1969	Vers.-Leitung:
Schlepper Nr.: 047334	Lufttemperatur: 24/27° C	Öltemperatur: 92/96°C	Versuchs Nr.: 92/M121	A. Reitter
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp.: 74°C	Kurvenblatt: 8	

OPTIONAL TESTS

PERFORMANCE AT THE BELT PULLEY SHAFT

Date and location of tests: 18th July 1969, Wieselburg
Type of dynamometer: Siemens-Schuckert pendulum generator G 273/15

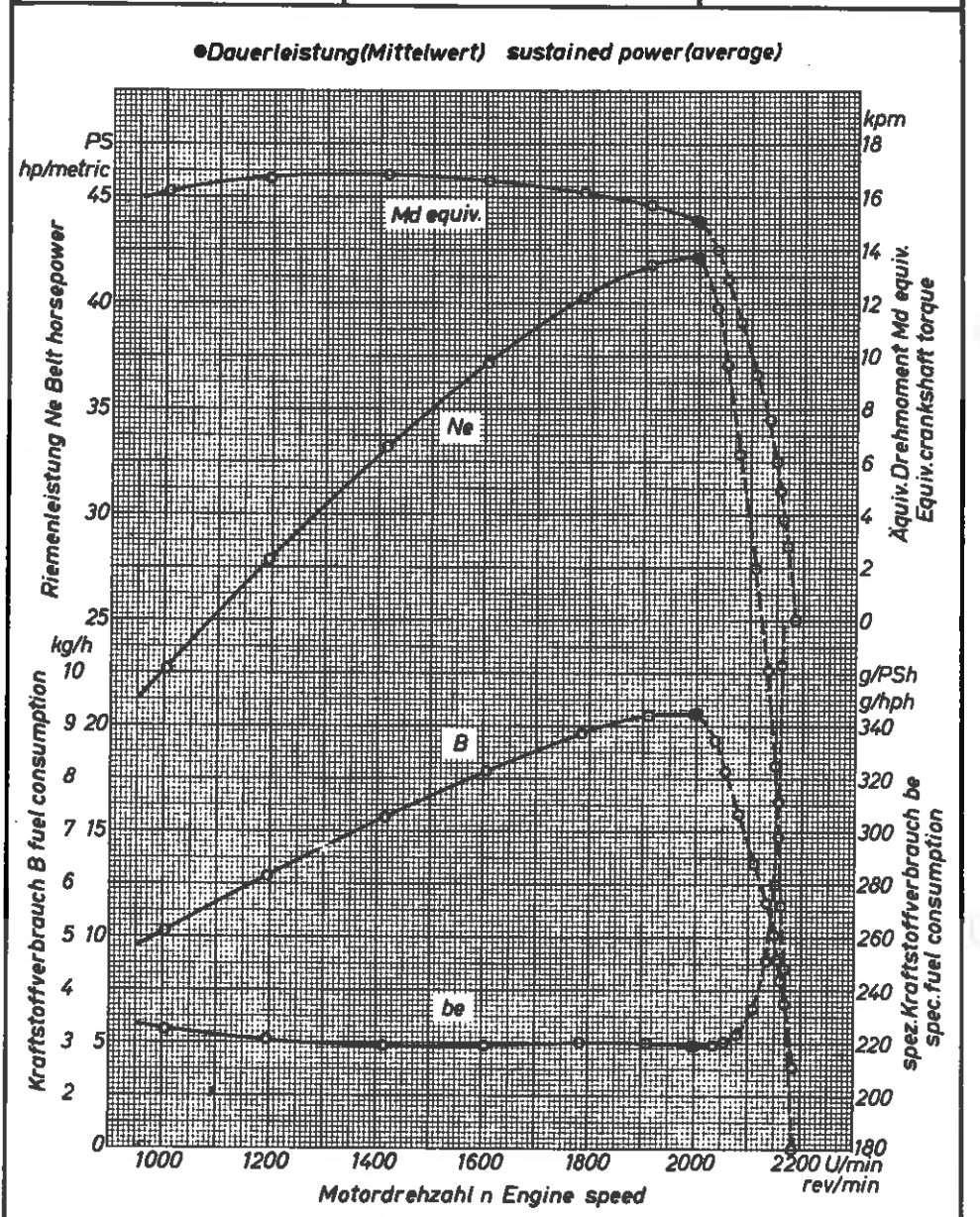
Horsepower (metric) hp	Speed		Fuel consumption		
	engine rev/min	p.t.o. rev/min	total l/h	specific g/hph	specific hph/l
Maximum power - 2 hours test					
42,10	2000	542/1355	10,99	219	3,830
At standard p.t.o. speed (540 rev/min)					
42,10	1995	540/1352	11,0	219	3,835
At standard belt speed (900 m/min)					
42,20	1989	539/1348	11,0	219	3,835
At the speed recommended by the manufacturer for drawbar work					
42,20	1995	540/1355	11,0	219	3,835
Fuel consumption at part loads 85% of torque at maximum power					
37,05	2055	557/1393	9,70	220	3,820
Unloaded					
0	2185	592/1480	3,01	-	-
50% of torque at maximum power					
22,60	2135	578/1447	6,75	251	3,350
Maximum power					
42,20	1995	540/1355	11,0	219	3,835
25% of torque at maximum power					
11,50	2160	585/1465	4,97	363	2,314
75% of torque at maximum power					
32,85	2080	563/1410	8,71	223	3,770

No load maximum engine speed: 2185 rev/min
Equivalent torque at maximum power: 15,15 kpm
Maximum torque: 16,83 kpm at 1415 rev/min of the engine
Mean atmospheric conditions: temperature: 25°C (aspiration temp. 26°C)
pressure: 751 mm Hg
relative humidity: 65 %
Maximum temperature: coolant: 90°C
engine oil: 97°C
fuel: 72°C

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 023/69

Riemenleistung
Belt - test

URSUS-Dieseltraktor
Typ C-350
Mot.Typ URSUS S-4001

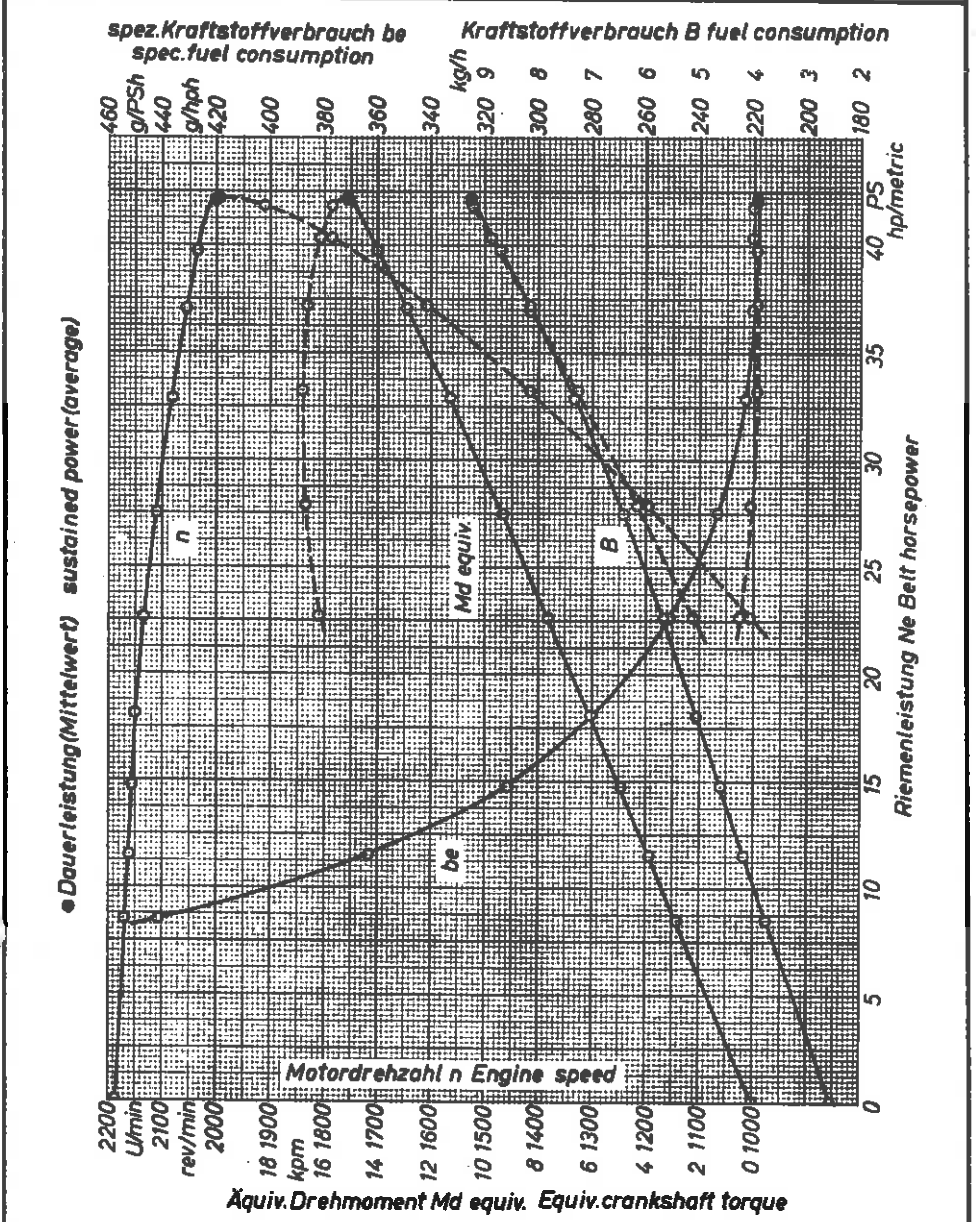


Motor Nr.: 47628	Barometerstand: 751 mm Hg	Kühlwassertemp: 89 °C	Versuchstag: 18.7.1969	Vers.-Leitung:	
Schlepper Nr.: 047334	Lufttemperatur: 25 °C	Öltemperatur: 86/91 °C	Versuchs Nr.: 92/R 21	A. Reittner	
Kraftstoff: 0,840/15 °C	Motoröl: BP Univ. SAE 30	Kraftstofftemp: 69 °C	Kurvenblatt: 9		

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR 023/69

Riemenleistung
Belt - test

URSUS-Dieseltraktor
Typ C-350
Mot. Typ URSUS S-4001



Motor Nr.: 47628	Barometerstand: 751 mm Hg	Kühlwassertemp: 89°C	Versuchstag: 18.7.1969	Vers.-Leitung:	
Schlepper Nr.: 047334	Lufttemperatur: 25°C	Öltemperatur: 86/91°C	Versuchs Nr.: 92/R 21	A. Reitter	
Kraftstoff: 0,840/15°C	Motoröl: BP Univ. SAE 30	Kraftstofftemp.: 69°C	Kurvenblatt: 10		