GEPRÜFT

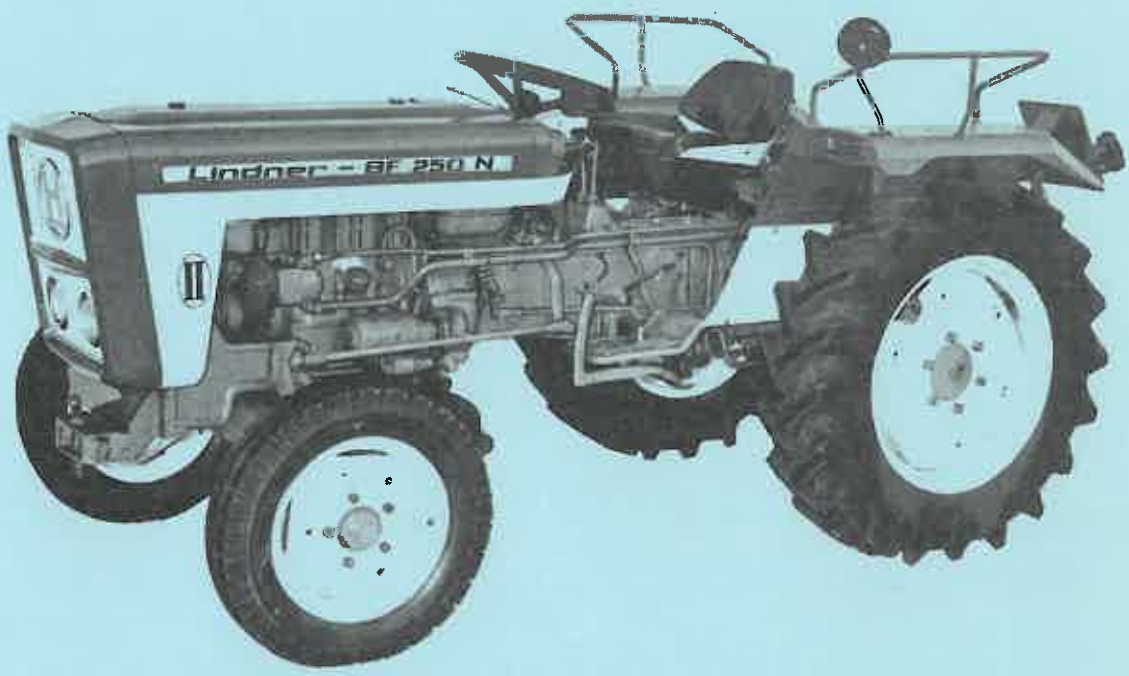
PROT. Nr.

O.E.C.D. Report No.: 267

REPORT ON TEST IN ACCORDANCE WITH O.E.C.D. TEST CODE FOR AGRICULTURAL TRACTORS

LINDNER-DIESEL-TRACTOR »BF 250 N«

Manufactured by: Traktorenwerk Lindner KG.,
Kundl, Tirol,
Austria



Test No.: 050/68

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. Tractor Test Code

Date of Approval: 22. 4. 1969 Serial No.: 267

BUNDESVERSUCHS- UND PRÜFUNGSANSTALT FÜR LANDWIRTSCHAFTLICHE MASCHINEN UND GERÄTE, WIESELBURG

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.

TABLE OF CONTENTS

	Page
Specification of tractor	4
Fuel and lubricants used in tests	8
COMPULSORY TESTS	
Power take-off performance	9
Drawbar performance	12
Turning space and turning circle	17
Location of centre of gravity	17
Brake tests	17
Measurement of ambient noise emitted by the tractor	18
Noise measurement at the Driver's ear	18
Power-lift and hydraulic pump performance	19
OPTIONAL TEST	
Engine test	20

Tractor manufacturer:	TRAKTORENWERK LINDNER KG., Kundl/Tirol
Submitted for test by:	Manufacturer
Selected by:	Bundesversuchs- und Prüfungsanstalt für landwirtschaftliche Maschinen und Geräte, Wieselburg a.d. Erlauf
Place of running-in:	Traktorenwerk Lindner KG., Kundl/Tirol
Duration of running-in:	20 hours

SPECIFICATION OF TRACTOR

Tractor

Make:	Traktorenwerk Lindner KG., Kundl/Tirol
Model:	BF 250 N
Type:	Wheel tractor
Serial No.:	11252

Engine

Make:	Traktorenwerk Lindner KG., Kundl/Tirol
Model:	LINDNER BF 250
Type:	Air cooled 4-stroke Diesel engine with direct injection
Serial No.:	5165
Cylinders:	2 cylinders, vertical in line, bore/stroke: 100/100 mm, capacity: 1570 cm^3; compression ratio: 17,5 : 1; arrangement of valves: overhead; cylinder type: dry liners
Fuel system:	Type of fuel feed: piston fuel feed pump; fuel filter: strainer in the tank, fine filter JAROSCH KF 0,5 l; capacity of fuel tank: appr. 25 litres; injection pump: reciprocating pump FRIEDMANN & MAIER P22T3a-6,5.66BII ROF; manufacturer's production setting: injection timing 32° before TDC; injection nozzle: pintle-type nozzle FRIEDMANN & MAIER D 1 Z 1.00; manufacturer's production setting: injection pressure 140 kp/cm^2; quantity of fuel feed: 21 mm^3/stroke at 2600 rev/min
Governor:	Make: FRIEDMANN & MAIER, Hallein/Salzburg; type: mechanical centrifugal variable spee governor R8V20-110/57c; range of speed: 600 to 2775 rev/min; rated speeds for p.t.o.-work (540 rev/min 2570 rev/mi for field-work ..... 2600 rev/mi for transportation-work .... 2600 rev/mi for belt-work ..... 2525 rev/mi

Air cleaner:	Make: IFE 810-5100A type: oil bath air cleaner; oil capacity: appr. 0,3 l SAE 20/30
Lubrication system:	Forced feed from gear type pump: type of filter: oil filter in full flow, replaceable filter: oil capacity: appr. 7,5 l SAE 20/30 change period: 150 hours
Cooling system:	Air cooled by V-belt driven axial blower
Starting system:	BOSCH type EJD 1,8/12 R 105 starter motor; glow filament in the intake manifold

Electrical system:

Voltage:	12 V
Generator:	BOSCH 0 101 209 031; direct current
Battery:	VARTA acid battery 12 V, 70 Ah

Transmission:

Clutch:	Make: FICHTEL & SACHS; model: K 200 Z; single-plate dry clutch, foot pedal operated
Gearbox:	Make: ZF-Passau A 205 26 BLP 1; type: group gearbox, 8 forward speeds and 4 reverse (2 gear shift levers)
Rear axle and final drive:	Make: ZF-Passau; type: bevel gear drive with Gleason-spiral cut, acting by planetary gear and portal drive on rear wheels; differential lock: lockable bevel differential gear in the rear axle operated by hand lever
Oil capacity:	Gearbox: 16,5 l SAE 90 planetary gear: 1,25 l SAE 90 for each half-axle; change period: 800 hours

Group gear	Gear No.	Number of engine revolutions for one revolution of the driving wheel	Nominal travelling speed for rated speed of engine 2400 rev/min
I	1.L.	359,10	1,42 km/h
	2.L.	209,67	2,43
	3.L.	128,07	3,99
	4.L.	79,02	6,45
II	1.S.	100,30	5,08
	2.S.	58,42	8,73
	3.S.	35,51	14,36
	4.S.	22,07	23,10
Reverse	1.	215,94	2,36
	2.	126,10	4,04
	3.	76,49	6,66
	4.	47,47	10,73

Power-take-off:

Location:	At rear in vertical centre plane of tractor, 532 mm above ground
Dimensions:	29 x 34,9 x 8,7, 6 splines Form A DIN 9611
Speed:	546 rev/min at rated engine speed 2600 rev/min engine speed 2570 rev/min at standard p.t.o. speed 540 rev/min
Direction of rotation:	Right viewed from driving end
Ground speed:	Distance travelled for one revolution of p.t.o. 0,129 m
Number of p.t.o. revolutions for one revolution of driving wheel	25,20; direction of rotation right viewed facing driving end with tractor in forward gear
Mower drive:	In vertical centre plane of tractor, drive by V-belt pulley, operated by hand lever

Belt pulley:

Location:	At rear right, drive from the main p.t.o.
Dimensions:	180 mm dia, 125 mm width
Speed:	Linear 926 m/min and 1638 rev/min at rated engine speed 2600 rev/min
Engine speed:	2525 rev/min at standard linear speed 900 m/min
Direction of rotation:	Right viewed from shaft end

Power lift:

Make: ZF-Passau A-205, control gear BOSCH HY/S 10 C1B2; type: oil hydraulic, gear pump driven by V-belt from engine; oil pressure: 145 kp/cm^2; oil capacity: 2,75 l Mobil SAE 20 HD; vertical lift movement: 80°; from 780 mm to 1100 mm on the lift lever

Pull attachments:

Drawbar:	Fixed on three point implement linkage; height above ground at max. mech. advantage: max. 565 mm, min. 65 mm; height above ground at min. mech. advantage: max. 730 mm, min. 20 mm; method of changing position: adjustable by power lift; distance from rear axle at 455 mm height above ground: 760 mm; position relative to p.t.o.: 490 mm; central hole and 3 holes with 80 mm distance apart either side of central hole
Trailer hitch:	Height above ground: 412/452/532/612/692 and 772 mm by changing trailer hitch case; distance from rear axle: 330 mm; position relative to p.t.o.: 70 mm

Towing hitch:	Height above ground: 375 mm; distance from front axle: 390 mm
Steering:	Make: ZF-Gemmer; model: 7328 900 414; type: worm roller steering; method of operation; mechanical, by hand wheel
Brakes:	Make: ZF-Passau; type: mechanical internal shoe brake acting on rear wheels; method of operation: by foot pedal; type of parking brake: mechanical internal shoe brake acting on rear wheels; method of operation: by hand lever
Wheels:	
Steering wheels:	Two at front; type of tyres: tractor front wheel tyres M 119 SEMPERIT; size: 5,50-16 AS Front; ply rating: 4; maximum permissible weight on each tyre: 375 kp at 2,5 kp/cm^2 pressure; track width: 1295 mm; method of changing: at changed wheels 1380 mm
Driving wheels:	Two at rear; type of tyres: tractor driving wheel tyres M 137 B SEMPERIT; size: 9,00-24 AS; ply rating: 4; rim size: W8 x 24; maximum permissible weight on each tyre: 1075 kp at 1,5 kp/cm^2 pressure; track width: 1240 mm; method of changing: at changed wheels 1490 mm
Wheel base:	1790 mm
Tractor and ballast weights: (without driver but with tank full)	
Weight without ballast:	Front: 562 kp Rear: 750 kp Total: 1312 kp
Ballast:	Front 1 weight before front axle 112 kp Rear 3 weights per wheel: 102 kp; total: 204 kp water per wheel: 70 kp total: 140 kp
Weight with full ballast:	Front: 674 kp Rear: 1094 kp Total: 1768 kp
Seat:	Make: BOSTROM; model: XL Nordic/Great-Britain; suspension: cup seat arranged on torsion spring; damping: hydraulic; adjustment: by screw on right side; axial adjustment: 25 mm
Number of grease points:	(Whole tractor): 26
Overall dimensions:	
Overall length:	3150 mm, with front ballast weights 3250 mm
Overall width:	1510 mm, at changed wheels 1760 mm
Overall height:	1350 mm

Lighting:

	Height above ground of centre cm	Diameter cm	Distance from outside edge of tractor to centre cm
Head lights	67	10	76,5
Side lights	106,5	4 x 10	31
Rear lights	117	4 x 10	17,5
Reflectors	93,5	7	39

FUEL AND LUBRICANTS USED IN TESTS

Laboratory 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: MOBIL-Oil A SAE 30 HD; transmission oil: MOBILUBE GX 90 SAE 90

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: MOBIL-Oil A SAE 30 HD; transmission oil: MOBILUBE GX 90 SAE 90

COMPULSORY TESTS

POWER-TAKE-OFF PERFORMANCE

Date and location of tests: 2.2.1968, Wieselburg a.d. Erlauf
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					
22,70	2604	547	6,36	235	3,57
At standard p.t.o. speed (540 rev/min)					
23,0	2570	540	6,52	238	3,53
At standard belt speed					
22,90	2525	530/1590	6,50	238	3,52
At the speed recommended by the manufacturer for drawbar work					
23,10	2600	546	6,52	237	3,54
Fuel consumption at part loads 85% of torque at maximum power					
20,0	2650	557	5,79	243	3,45
Unloaded					
0	2830	594	2,02	-	-
50% of torque at maximum power					
12,10	2725	572	4,26	296	2,84
Maximum power					
23,10	2600	546	6,52	237	3,54
25% of torque at maximum power					
6,16	2780	584	3,15	430	1,955
75% of torque at maximum power					
17,75	2670	561	5,32	252	3,345

No load maximum engine speed: 2830 rev/min
Torque*) at maximum power: 6,36 kpm
maximum torque*): 6,98 kpm at 1785 rev/min of the engine
Mean atmospheric conditions: temperature: 16°C
pressure: 745 mm Hg
relative humidity: 50 %
Maximum temperature: coolant: -
engine oil: 98°C
fuel: 40°C

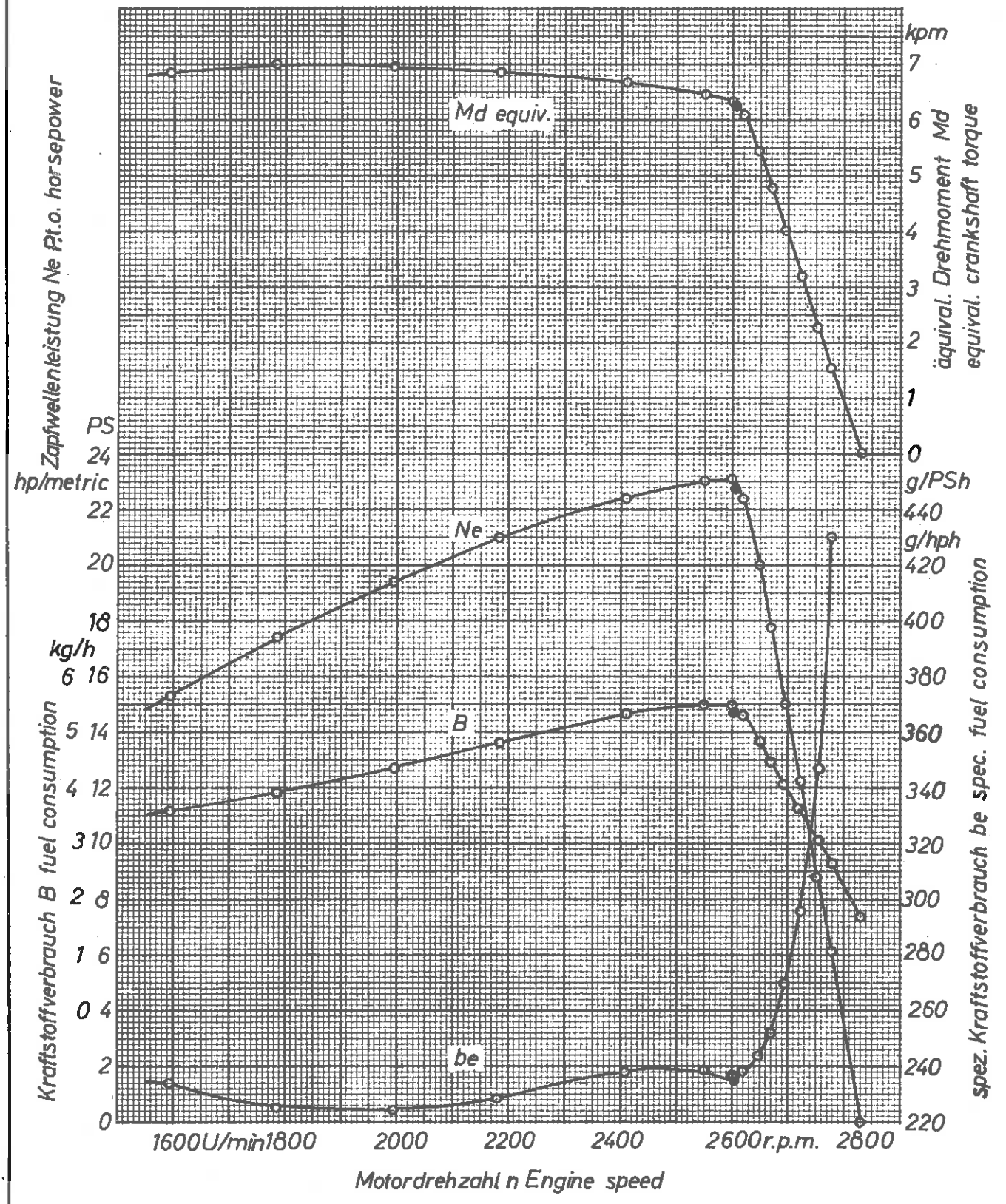
*) The torque is the equivalent crankshaft torque

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF
PROTOKOLL NR. 050/68

Zapfwellenleistung
P.t.o.-test

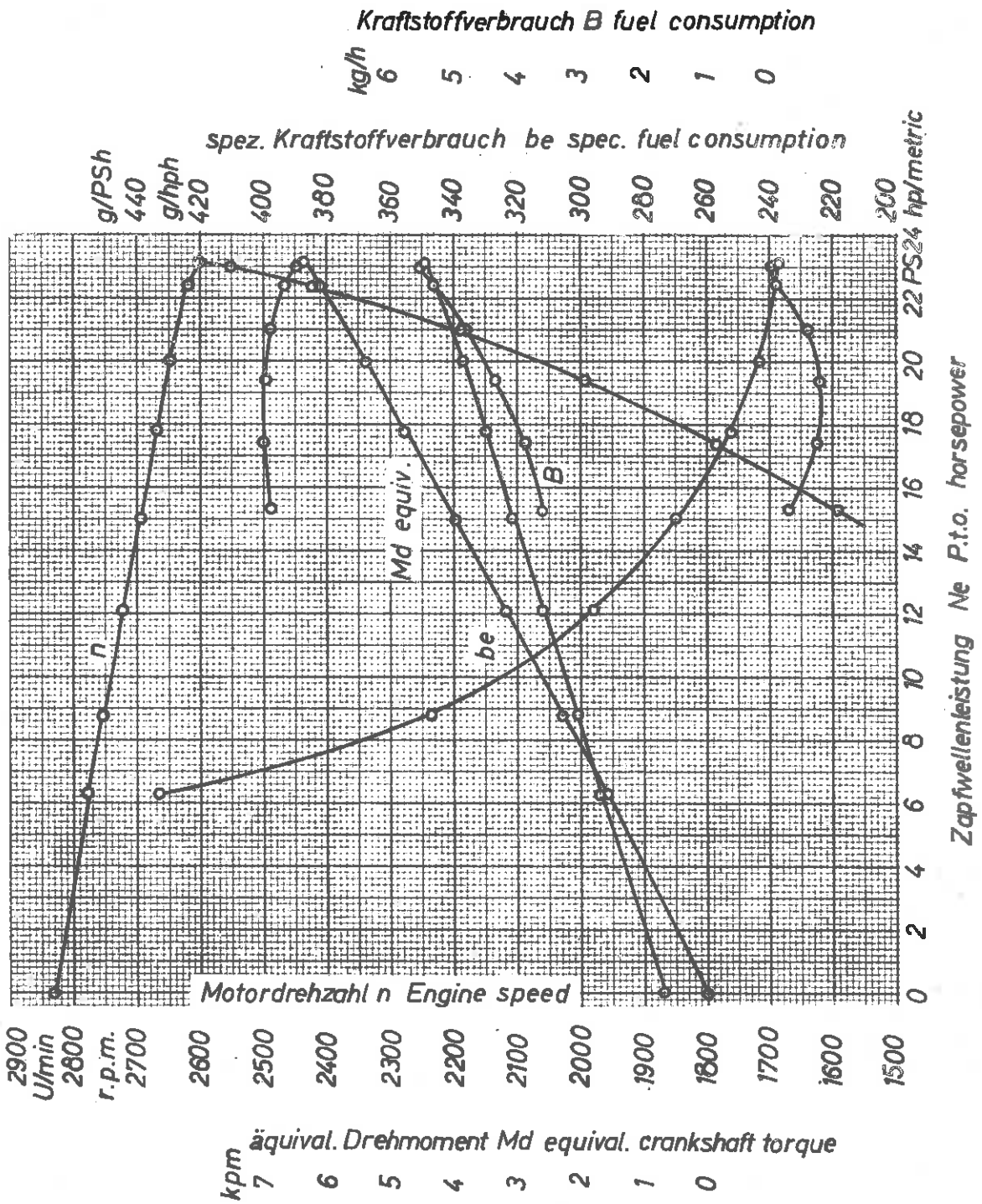
Lindner-Diesel-Traktor
Typ BF 250
Mot. Typ LindnerBF250

• Dauerleistung (Mittelwert) sustained power (average)



Motor-Nr.: 5165	Barometerstand: 745mm Hg	Kühlwassertemp: /	Versuchstag: 2.2.68	Vers.-Leitung:
Schlepper-Nr.: 11 252	Lufttemperatur: 16° C	Öltemperatur: 80° C	Versuchs Nr.: 86/Za79	A. Reithner
Kraftstoff: 0,840 / 15° C	Motoröl: Mobiloil A 30 HD	Kraftstofftemp.: 40° C	Kurvenblatt: 1	

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Motor Nr.: 5165	Barometerstand: 745 mm Hg	Kühlwassertemp: /	Versuchstag: 2.2.68	Vers.-Leitung:
Schlepper Nr.: 11 252	Lufttemperatur: 16 °C	Öltemperatur: 80 °C	Versuchs Nr.: 86/Za79	A. Reitlinger
Kraftstoff: 0,840 / 15° C	Motoröl: Mobiloil A 30 HD	Kraftstofftemp.: 40° C	Kurvenblatt: 2	

DRAWBAR PERFORMANCE

Date of tests: 17th to 21th October 1968
Type of track: concrete
Height of drawbar above ground: 640 mm

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)												
2.L.	11,05	1380	2730	15,6	2,65	317	33	-	82	12	58	753
3.L.	16,75	1300	2635	14,2	2,72	309	32	-	82	11	58	753
1.S.	18,65	1115	2600	12,0	2,81	299	32	-	80	11	58	753
4.L.	18,86	870	2600	9,6	2,87	292	30	-	80	12	56	753
2.S.	18,88	630	2595	7,5	2,89	291	30	-	79	12	55	753
3.S.	18,35	365	2600	5,5	2,80	300	30	-	79	12	55	753
FIVE HOUR TEST at 75% of pull at maximum power (4,76 km/h)												
1.S.	14,80	840	2670	9,8	2,82	297	36	-	83	14	54	752
FIVE HOUR TEST at pull corresponding to 15% wheel slip (3,43 km/h)												
3.L.	17,15	1350	2625	14,9	2,72	309	38	-	84	13	55	752
MAXIMUM POWER (unballasted)												
3.L.	11,73	880	2700	14,0	2,41	348	34	-	80	16	58	750
1.S.	16,22	1000	2625	16,2	2,57	327	35	-	80	16	56	750
4.L.	17,22	820	2595	13,0	2,63	319	33	-	80	16	56	750
2.S.	17,75	600	2595	9,5	2,70	310	33	-	79	16	56	750
3.S.	17,18	340	2600	6,2	2,62	320	30	-	78	16	58	750

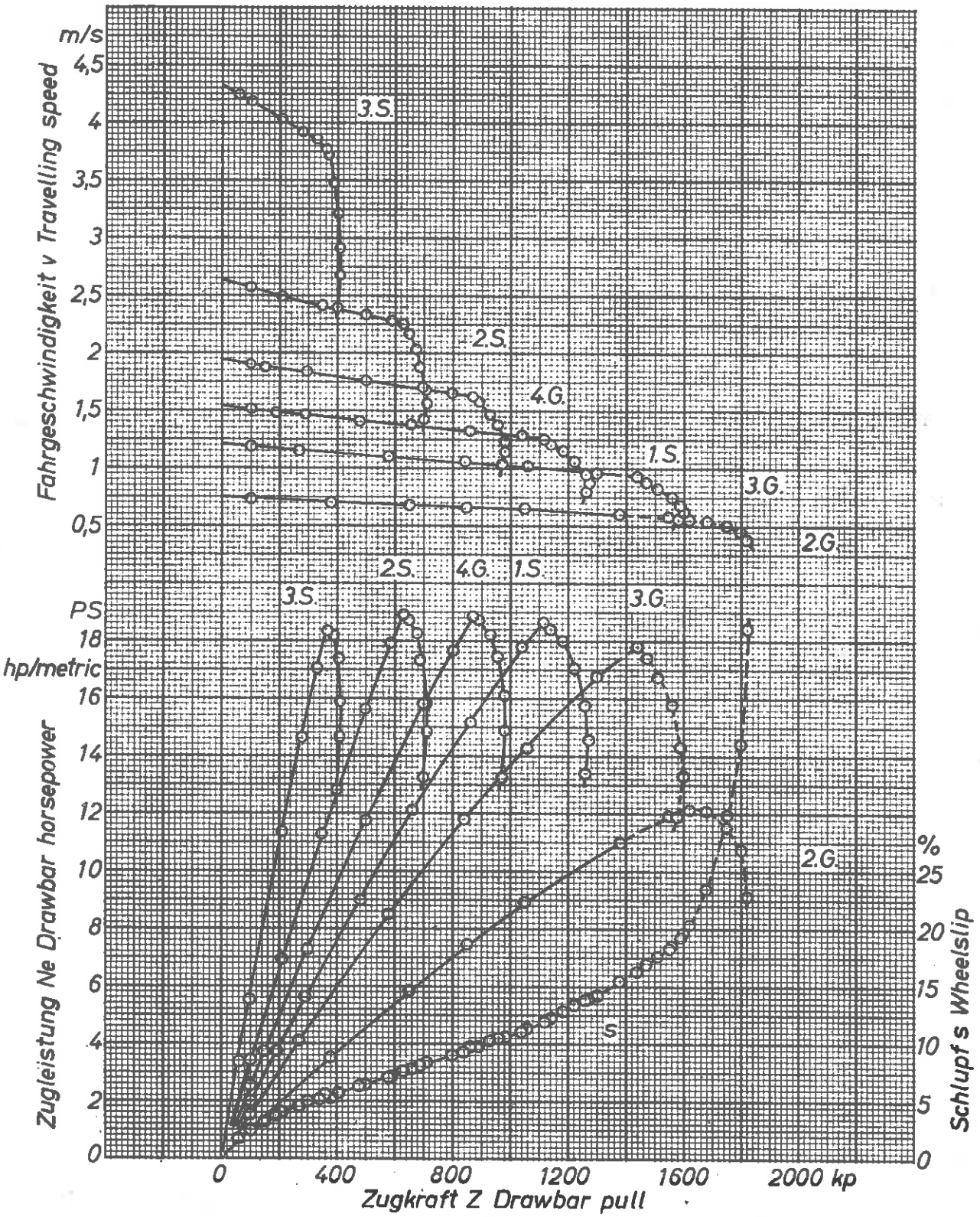
Total oil consumption during ten hours duration of test = 145 g

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PROTOKOLL NR. 050/68

Zugprüfung
Drawbar - test

Lindner-Diesel-Traktor
Typ BF 250 N
Mot. Typ Lindner BF 250

mit Ballast with ballast



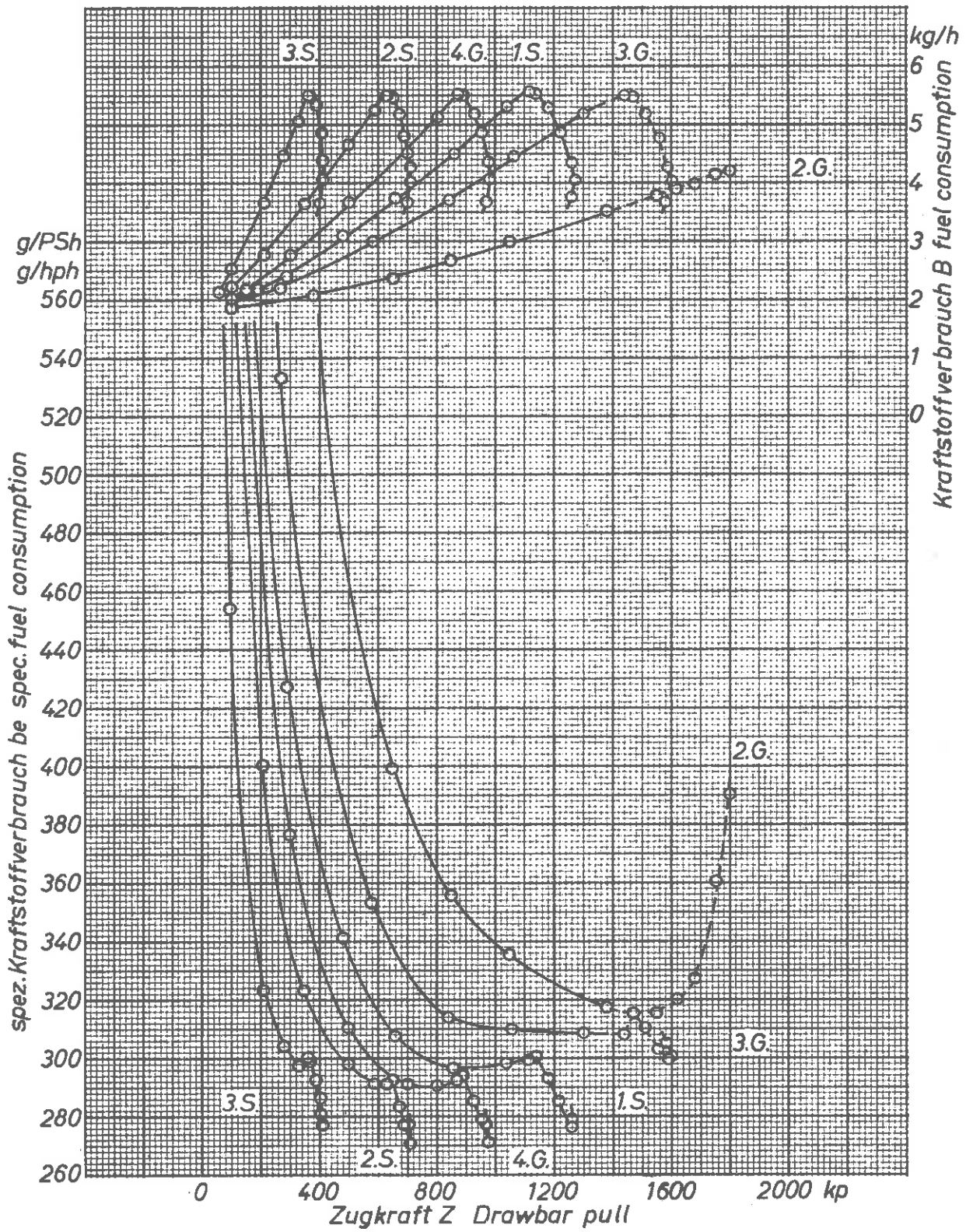
Motor Nr.: 5165	Barometerstand: 753 mm Hg	Kühlwassertemp: /	Versuchstag: 21.10.68	Vers.-Leitung:
Schlepper Nr.: 11252	Lufttemperatur: 11–12°C	Öltemperatur: 79–82°C	Versuchs Nr.: 88/Zu 401-406	
Kraftstoff: 0,840/15°C	Motoröl: Mobiloil A 30 HD	Kraftstofftemp.: 30°C	Kurvenblatt: 3	A. Reitlen

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 050/68

Zugprüfung
Drawbar - test

Lindner-Diesel-Traktor
Typ BF 250N
Mot. Typ Lindner BF 250

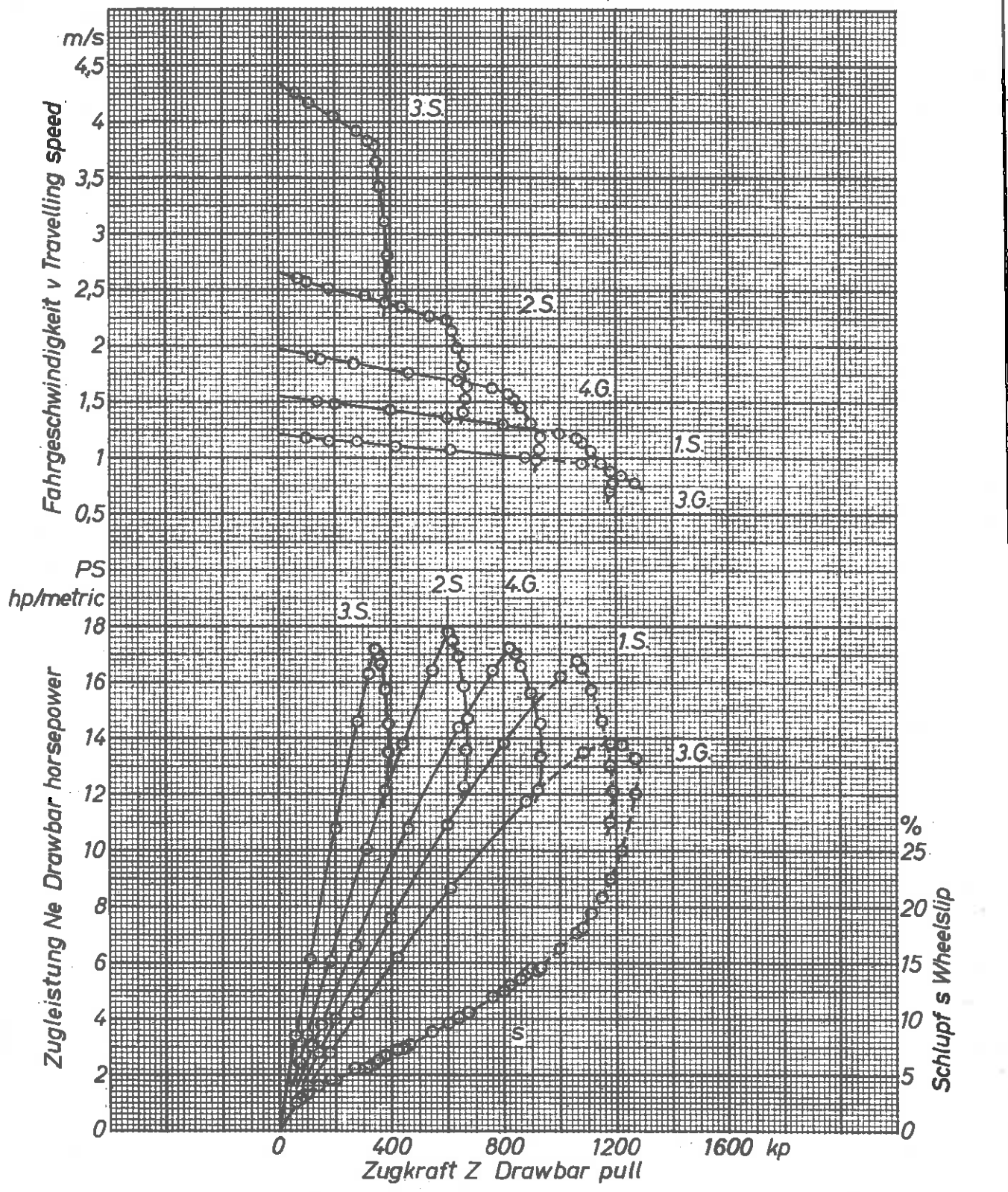
mit Ballast with ballast



Motor Nr.: 5165	Barometerstand: 753 mm Hg	Kühlwassertemp: -	Versuchstag: 21.10.68	Vers.-Leitung:
Schlepper Nr.: 11252	Lufttemperatur: 11-12°C	Öltemperatur: 79-82°C	Versuchs Nr.: 88/Zu401-406	
Kraftstoff: 0,840/15°C	Motoröl: Mobiloil A 30 HD	Kraftstofftemp.: 30°C	Kurvenblatt: 4	A. Reitlun

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 050/68	**Zugprüfung** **Drawbar - test**	Lindner-Diesel-Traktor Typ BF 250 N Mot. Typ Lindner BF 250

ohne Ballast without ballast



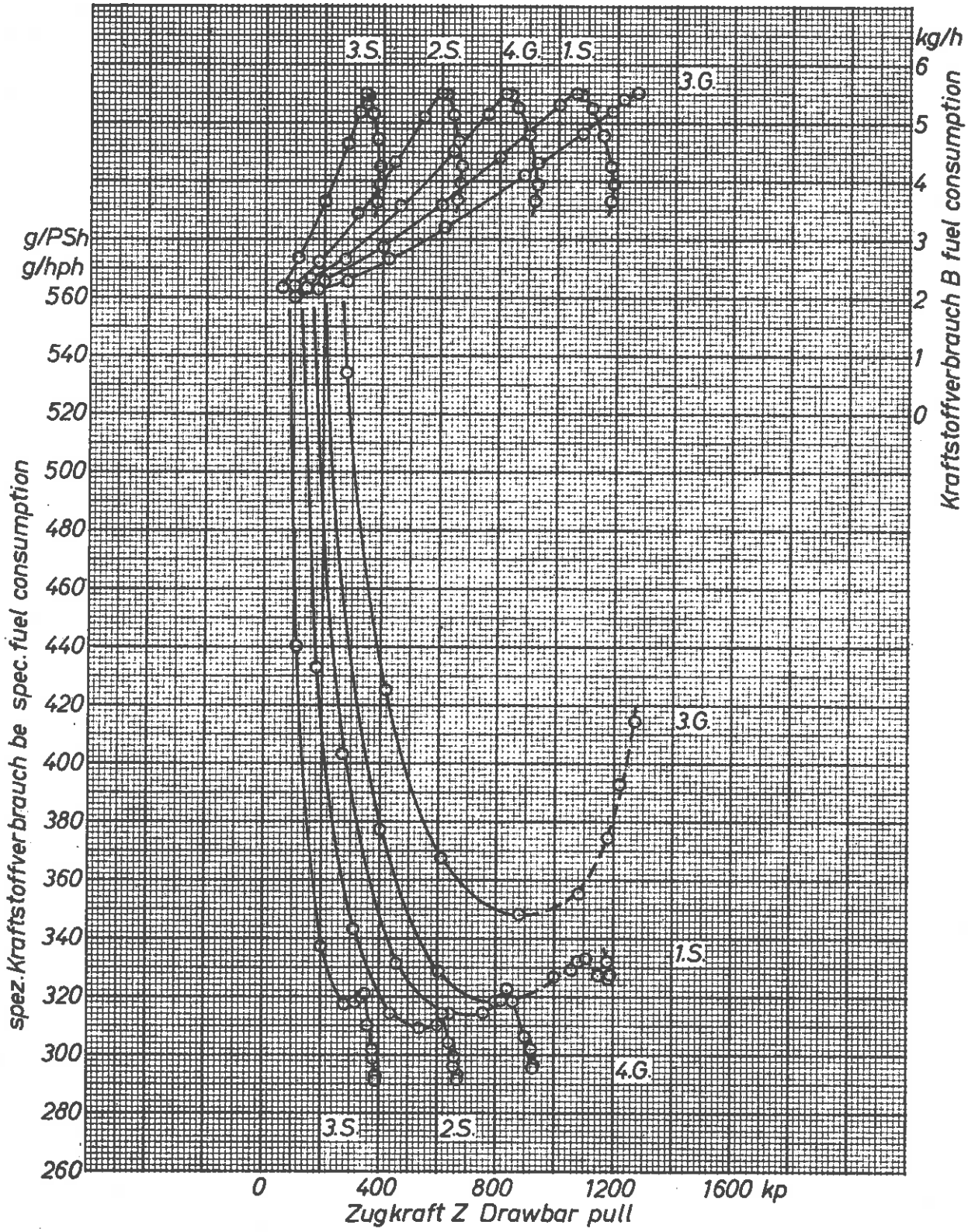
Motor Nr.: 5165	Barometerstand: 750mm Hg	Kühlwassertemp: -	Versuchstag: 17. 10. 68	Vers.-Leitung:
Schlepper Nr.: 11252	Lufttemperatur: 16°C	Öltemperatur: 78-80°C	Versuchs Nr.: 88/Zu407-411	
Kraftstoff: 0,840/15°C	Motoröl: Mobiloil A 30HD	Kraftstofftemp.: 30°C	Kurvenblatt: 5	A. Reitler

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 050/68

Zugprüfung
Drawbar-test

Lindner-Diesel-Traktor
Typ BF 250 N
Mot. Typ Lindner BF 250

ohne Ballast without ballast



Motor Nr.: 5165	Barometerstand: 750mm Hg	Kühlwassertemp: /	Versuchstag: 17. 10. 68	Vers.-Leitung:	
Schlepper Nr.: 11252	Lufttemperatur: 16°C	Öltemperatur: 78-80°C	Versuchs Nr.: 88/Zu 407-411		
Kraftstoff: 0,840/15°C	Motoröl: Mobiloil A 30HD	Kraftstofftemp.: 30°C	Kurvenblatt: 6	A. Reitlinger	

TURNING SPACE AND TURNING CIRCLE

Wheel equipment front: 5,50-16 AS Front, 4 ply, without ballast
9,00-24 AS, 4 ply, without ballast

Track of wheels front: 1295 mm
rear: 1240 mm

	With brakes		Without brakes	
	right-hand	left.hand	right-hand	left-hand
Radius of turning space	3,34 m	3,06 m	3,78 m	3,29 m
Radius of turning circle	3,25 m	2,97 m	3,69 m	3,20 m

LOCATION OF CENTRE OF GRAVITY

Height above ground 533 mm

Distance forward from the vertical plane containing the axis of rear wheels 744 mm

Distance from the median plane parallel to the longitudinal axis of the tractor bisecting the track 0 mm

BRAKE TESTS

Date of tests: 14th and 24th October 1968
Type of track: concrete
Instrument: Recorder for deceleration and force on pedal
No. 03382, Tüv-Typ-Prüf.-Nr. 04/Stuttgart

Travelling speed of tractor: 23 km/h

Cold brakes:

Results	Tractor without ballast	Tractor with ballast
Maximum deceleration m/s^2	4,0	3,9
Stopping distance m	6,20	6,65
Force on pedal kp	17	30

Brake fade characteristics (hot test)

Tractor without ballast:
Deceleration: hot/cold 82 %
Stopping distance: cold/hot 66 %
Force on pedal: cold/hot 53 %

Efficacy of parking brake

Force on the hand lever of the brake at cold and hot condition wasn't measured, because the service brake and parking brake present one system and the hand lever fixes the pedal of service brake only. Hereby the rear wheels of the tractor slides by dragging.

MEASUREMENT OF AMBIENT NOISE EMITTED BY THE TRACTOR

Date of tests: 24th July 1968
Type of track: concrete (on open land)
Type of sound level meter: Precisions Sound Level Meter Type 2203, Brüel & Kjoer/Copenhagen

Results of tests:

Gear: 4.S. (II)
Travelling speed: 17,5 km/h
Sound level: 86 dbA

NOISE MEASUREMENT AT THE DRIVER'S EAR

Date of test: 4th July 1968
Type of track: concrete
Type of sound level meter: Precisions Sound Level Meter Type 2203
Type of octave filter: Octave Filter Set Typ 1613, Brüel & Kjoer/Copenhagen

Tractor without cab

Results of tests:

Gear	Travelling speed km/h	dbA	sones
2.L.	2,3	98	
3.L.	3,8	97	
1.S.	4,9	97	
4.L.	6,3	98	90
2.S.	8,7	97	
3.S.	14,5	98	

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

Sone evaluation according to Stevens

POWER LIFT AND HYDRAULIC PUMP PERFORMANCE

Date and location of test: 17th October 1968
Hydraulic fluid: MOBIL-Oil SAE 20 HD

	Vertical movement mm	Maximum force exerted through full range kp	pressure kp/cm^2
Linkage giving maximum mechanical advantage:	500	1100	140
At lower hitch points (height above ground in down position) 65 mm on the frame	500	870	140
Linkage giving minimum mechanical advantage	710	700	140
At lower hitch points (height above ground in down position) 20 mm on the frame	710	600	140

Type of linkage lock for transport: control mechanism fixed by a bolt

Opening pressure of the cylinder over-pressure relief valve: 145 kp/cm^2

Pump characteristics:

Opening pressure of the relief valve	145 kp/cm^2
Sustained pressure by the open relief valve	140 kp/cm^2
Pump delivery rate at minimum pressure	21,6 l/min
Pump delivery rate	13,9 l/min
Delivery pressure	140 kp/cm^2
Power (hydraulically)	4,3 hp

Relief of front axle: with frame about 760 kp (maximum mechanical advantage);

Oil temperature: 62°C

OPTIONAL TESTS

ENGINE TEST

Date and location of tests: 1.2.1968, Wieselburg a.d. Erlauf
Type of dynamometer: Siemens-Schuckert pendulum generator G 273/15

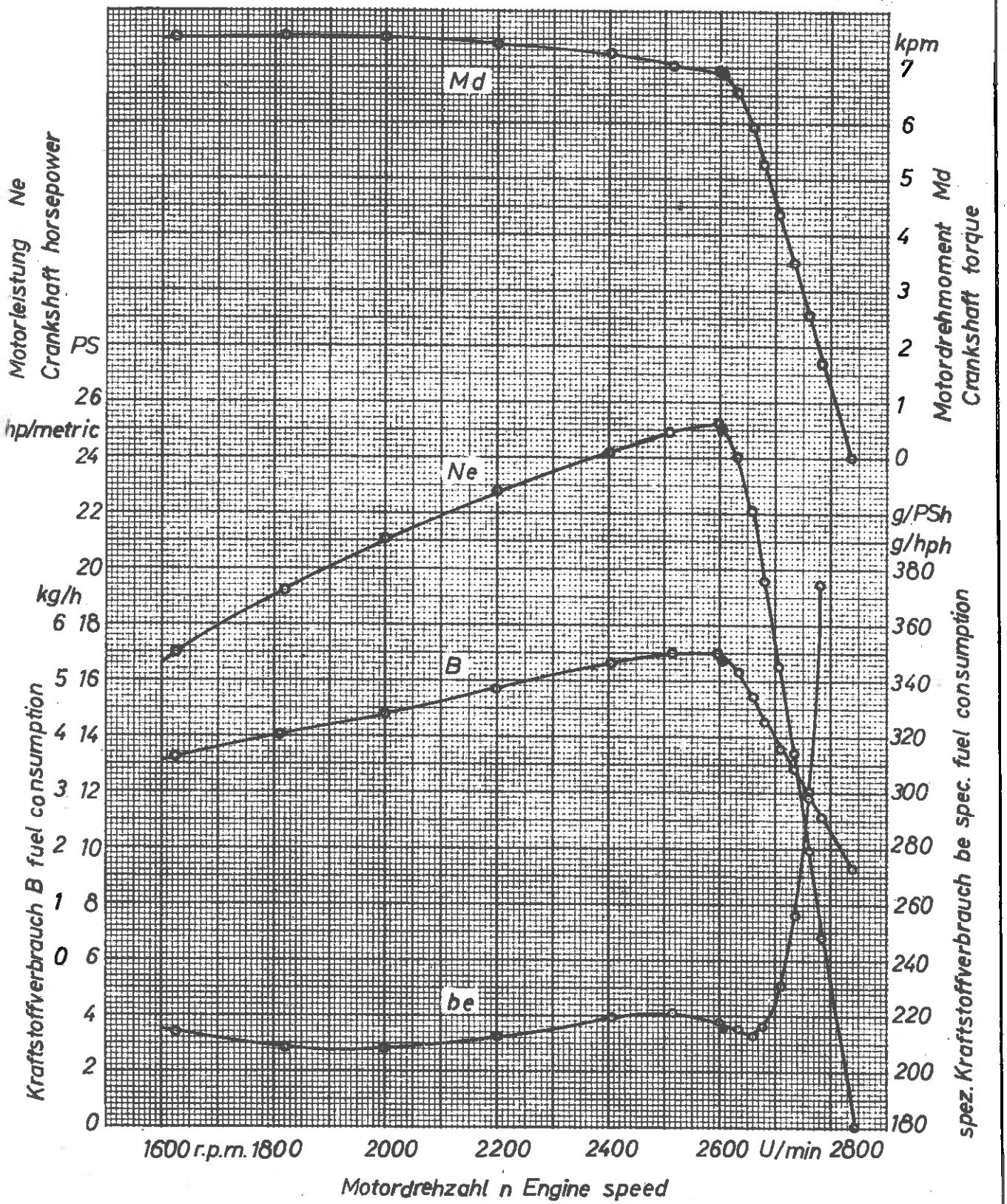
Horsepower (metric) hp	Speed		Fuel consumption		
	engine rev/min	p.t.o. rev/min	total l/h	specific g/hph	specific hph/l
Maximum power - 2 hours test					
25,10	2604	547	6,45	216	3,89
At standard p.t.o. speed (540 rev/min)					
25,10	2570	540	6,52	218	3,85
At standard belt speed					
25,0	2525	530	6,55	220	3,82
At the speed recommended by the manufacturer for drawbar work					
25,20	2600	546	6,54	218	3,85
Fuel consumption at part loads					
85% of torque at maximum power					
22,10	2660	559	5,60	213	3,94
Unloaded					
0	2840	597	1,96	-	-
50% of torque at maximum power					
13,40	2735	574	4,08	256	3,28
Maximum power					
25,20	2600	546	6,54	218	3,85
25% of torque at maximum power					
6,80	2785	585	3,03	375	2,24
75% of torque at maximum power					
19,60	2680	563	5,04	216	3,89

Optimum fuel consumption: 208 g/hph at 19,2 hp and 1800 rev/min
No load maximum engine speed: 2840 rev/min
Torque at maximum power: 6,94 kpm
Maximum torque: 7,56 kpm at 1820 rev/min of the engine
Mean atmospheric conditions: temperature: 20°C
pressure: 746 mm Hg
relative humidity: 50 %

Maximum temperature:
coolant: -
engine oil: 98°C
fuel: 44°C

BUNDESVERSUCHS-U. PRÜFUNGSANST. FÜR LANDW. MASCHINEN U. GERÄTE WIESELBURG A.D. ERLAUF PROTOKOLL NR. 050/68	**Motorleistung Engine - test**	Lindner-Diesel-Traktor Typ BF 250 Mot. Typ Lindner BF 250

Dauerleistung (Mittelwert) sustained power (average)

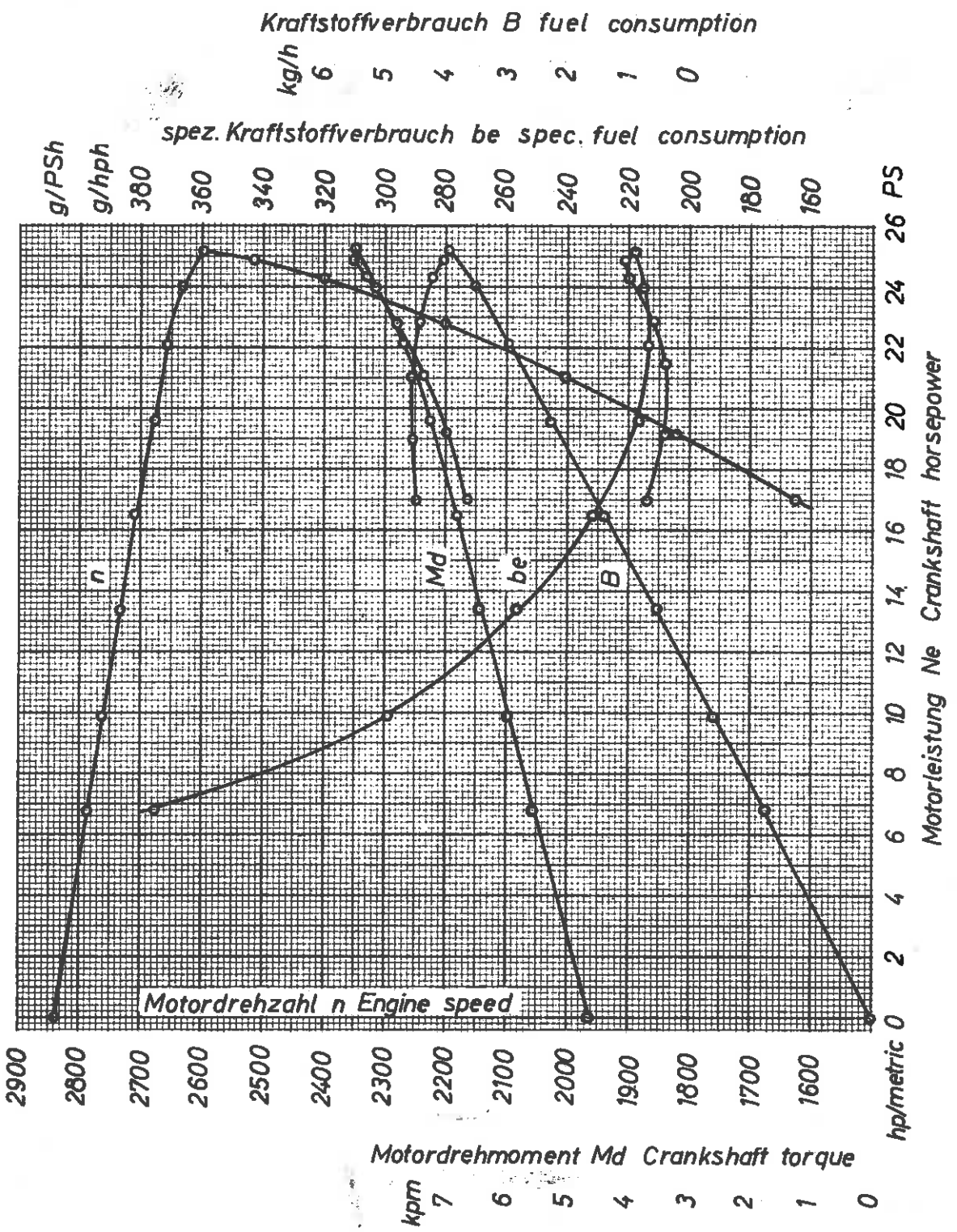


Motor Nr.: 5165	Barometerstand: 746 mm Hg	Kühlwassertemp: /	Versuchstag: 1.2.68	Vers.-Leitung:
Schlepper Nr.: 11 252	Lufttemperatur: 20° C	Öltemperatur: 84° C	Versuchs Nr.: 86/M112	A. Reitlun
Kraftstoff: 0,840/15° C	Motoröl: Mobiloil A 30 HD	Kraftstofftemp.: 42° C	Kurvenblatt: 7	

BUNDESVERSUCHS-U. PRÜFUNGSANST.
FÜR LANDW. MASCHINEN U. GERÄTE
WIESELBURG A.D. ERLAUF
PROTOKOLL NR. 050/68

Motorleistung
Engine-test

Lindner-Diesel-Traktor
Typ BF 250
Mot. Typ Lindner BF250



Motor. Nr.: 5165	Barometerstand: 746 mm Hg	Kühlwassertemp: /	Versuchstag: 1.2.68	Vers.-Leitung:
Schlepper Nr.: 11 252	Lufttemperatur: 20° C	Öltemperatur: 84° C	Versuchs Nr.: 86/M112	A. Reitlun
Kraftstoff: 0,840 / 15°C	Motoröl: Mobiloil A 30HD	Kraftstofftemp.: 42° C	Kurvenblatt: 8	

Notes: Repairs and adjustments during tests were not performed.

Head of department:
Dipl.-Ing.Zehetner

Officer in charge:
A. Reither

The director:
Dipl.-Ing.Dr.Scheruga
Hofrat