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



DEUTZ-AGRICULTURAL TRACTOR D 70 06

Manufactured by: KLÖCKNER-HUMBOLDT-DEUTZ AG.
5000 Köln-Deutz

Date of Tests: October till December 1970
and March till May 1971

DEUTSCHE LANDWIRTSCHAFTS-GESELLSCHAFT e.V.
Prüfungsabteilung für [illegible]
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This Bulletin is based on engineering tests in accordance with the O.E.C.D. STANDARD-CODE for the 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.

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PRÜFUNGS-ABTEILUNG
Deutz D 70 06

Test No. 70-79

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PRÜFUNGS-ABTEILUNG
Deutz D 70 06

Test No. 70-79

Tractor manufacturer:	Klöckner-Humboldt-Deutz A.G., 5000 Köln-Deutz
Submitted for test by:	Manufacturer
Selected by:	Manufacturer by agreement with DLG
Place of running-in:	Köln-Deutz, Porz, Groß-Umstadt
Duration of running-in:	Engine appr. 50 hours, tractor appr. 50 hours

SPECIFICATION ON TRACTOR

Tractor

Make:	Klöckner-Humboldt-Deutz A.G., 5000 Köln-Deutz
Model:	D 70 06
Type:	Wheel type Diesel tractor, unit construction
Serial No.:	7915/ 47

Engine

Make:	Klöckner-Humboldt-Deutz A.G., 5000 Köln-Deutz
Model:	F4L 912
Type:	Air cooled 4 stroke Diesel engine
Serial No.:	490 1051

Cylinders: 4 cylinders, vertical in line; bore 100 mm; stroke 120 mm; capacity 3768 cm³; compression ratio 17 : 1; replaceable ribbed single cylinders

Valves: Overhead

Fuel system: Fuel: Commercially available diesel oil;
Bosch type in-line-injection pump PES 4A75 C 410/3 RS 1183
Bosch type 4-holes-injection nozzles DLLA 149 S 594
injection pressure 175 kp/cm²
injection timing 30° before TDC
Pierburg type fuel feed pump PE 15252
Bosch type fuel filter with felt tube filter element
capacity of fuel tank appr. 120 l

Governor: Bosch type centrifugal variable speed type governor
EP/RSV 325-1150 A8B 493 DL
governed range of engine speed 700 rev/min to 2440 rev/min;
rated engine speed for p.t.o.-work 2300 rev/min
for field-work 2300 rev/min
for transportation-work 2300 rev/min
for belt-work 2300 rev/min

Air cleaner: Deutz-Siccopur dry type filter with precleaner
Make Donaldson, 4712 Werne/Lippe

Lubricationsystem:	Forced feed from gear type pump; screen in sump; main current filter with replaceable filter element; oil capacity 11 l; recommended oil changing period 100 - 120 hours using HD-S1-oil or 200 - 240 hours using HD-B-oil; recommended oil in winter HD SAE 10W in summer HD SAE 20W/20 in tropics HD SAE 30
Cooling system:	Air cooling with V-belt driven axial blower

Electrical equipment

Voltage:	12 Volt, negative earth
Starting device:	Bosch type starter motor 12 Volt type JD 12V 3 PS
Starting aid:	Bosch type flame glowing plugs type B 12V H 7632
Generator:	Bosch type generator G 14V 16 A 21
Battery:	Lead acid type 12V 143 Ah; special battery for cold starts

Transmission

Clutch:	Make: J.Walterscheid K.G., 5200 Siegburg Independent dry disc dual clutch type DH U 295/250 EBT 36 Travelling clutch operated by foot pedal P.t.o. clutch operated by hand lever
Gearbox:	Make: Klöckner-Humboldt-Deutz A.G., 5000 Köln-Deutz Type TW 55.2, speed change gear combined with group gear; speed change gear with 3 forward speeds, the 2nd and the 3rd speed synchronized after Porsche; group gear with creep speed group, slow- and fast group and reverse group; total speeds 9 forward and 3 reverse, 6 forward- and 2 reverse speeds being synchronized, system Porsche
Rear axle and final drive:	Make: Klöckner-Humboldt-Deutz A.G., 5000 Köln-Deutz Bevel gear type differential gear with crown wheel and pinion; Spur wheel final drive; Differential lock fitted, self disengaging; foot pedal operated
Oil capacity:	Speed change gear, group gear, rear axle and final drive 36 l Recommended oil: Transmission oil SAE 90 Recommended oil changing period 1500 hours

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Total ratios and speeds

Group	Gear No.	Number of engine revolutions for one revolution of the driving wheel	Theoretical travelling speed at rated engine speed 2300 rev/min	
			km/h	m/s
creep speed group	1st	405,1 : 1	1,5	0,425
	2nd	218,1 : 1	2,8	0,790
	3rd	126,6 : 1	4,9	1,362
slow group	1st	169,7 : 1	3,6	1,015
	2nd	91,4 : 1	6,8	1,886
	3rd	53,1 : 1	11,7	3,247
fast group	1st	73,9 : 1	8,4	2,332
	2nd	39,8 : 1	15,6	4,331
	3rd	23,1 : 1	26,9	7,461
reverse group	1st	140,7 : 1	4,4	1,225
	2nd	75,8 : 1	8,2	2,274
	3rd	44,0 : 1	14,1	3,917

Power take off	Main p.t.o. proportional engine speed, independent from travelling clutch, engaged by hand lever of p.t.o. part of dual clutch, 2 speeds by preselection lever possible
Location:	At rear of tractor, in vertical centre plane of tractor, 675 mm above ground
Dimensions:	29 x 34,9 x 8,7 mm = 1 3/8", 6 splines (acc.to DIN 9611 Form A; B.S. 1495; ASAE S 203.5)
Speed:	614 rev/min or 1060 rev/min at rated engine speed 2300 rev/min; 540 rev/min standard p.t.o. speed at engine speed 2025 rev/min; 1000 rev/min standard p.t.o. speed at engine speed 2170 rev/min; standard p.t.o. speed may be set by aid of tractormeter
Direction of rotation:	Clockwise (viewed from tractor rear)
Belt pulley	(not fitted on tractor tested, fig. acc.to manufacturer's specification)
Location:	At rear of tractor; driving device attached to p.t.o., engaged by p.t.o.-part of dual clutch
Dimensions:	320 mm diameter, 140 mm width
Speed:	1290 rev/min at rated engine speed 2300 rev/min and p.t.o.-preselection lever in 540 rev/min position; belt speed 21,57 m/s; engine speed at standard belt speed 2145 rev/min, may be set by aid of tractormeter
Direction of rotation:	Anticlockwise (viewed from right hand side of tractor)

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Power lift

Make: Klöckner-Humboldt-Deutz A.G.; 5000 Köln-Deutz
Live-hydraulic power lift with power control by the upper link
Type K 45.1 (Deutz-Transfermatic-System)
Power control, position control, floating position
Single acting ram with overpressure relief valve for ram, adjusted on 250 ± 30 kp/cm²
Bosch type HY/ZFR 1/14 CL (112/1) gear type pump, directly driven from engine (when mechanical steering device is fitted on tractor, Bosch type HY/ZFR 1/11 CL (112/1) gear type pump is fitted)
Control valve make Deutz
4 external tappings with supplementary control valves available
Maximum oil pressure 175 kp/cm²
Oil capacity appr. 12 l
Recommended oil engine oil
for temperatures below 20°C HD SAE 20W/20
higher than 20°C HD SAE 30

Pull attachment

Implement linkage: Three-point linkage category II (acc. to DIN 9674) operated by power lift
Lifting range from 175 mm till 855 mm above ground with lifting rods long
Lifting range from 440 mm till 1065 mm above ground with lifting rods short

Drawbar: Fixed on hydraulically controlled linkage
Height above ground from 175 mm till 1065 mm adjustable by power lift and changing lifting rods length, from 470 mm till 720 mm above ground fixable, acc. to lifting rods length
Distance from rear axle 970 mm when lower links are horizontal
Distance from p.t.o. 575 mm when lower links are horizontal
Central hole and 3 holes with 80 mm distance apart either side of central hole (acc. to DIN 9671)

Trailer hitch:	At rear of tractor; height above ground 805 - 870 - 935 mm and 740 - 805 - 870 mm adjustable by shifting and reversing hitch; distance from rear axle 670 mm
Towing hitch:	At front of tractor; height above ground 725 mm
Steering device	Make: Zahnradfabrik Friedrichshafen A.G. 7990 Friedrichshafen ZF-Column Hydrosteering model 74, type 09 (optional ZF-Gemmersteering model 73, type 40

Brakes

Parking brake:	Mechanically operated by ratchet hand lever, acting as internal Simplex shoe type brake on a brake drum on a gear shaft
Foot brake:	Mechanically operated by foot pedal, acting on driving wheels as dual shoe type brakes on brake drums fitted on an intermediate gear shaft
Steering brake:	Operated by the single parts of the divided foot brake pedal; for normal use both parts are connected by a safety bolt

Wheels

Steering wheels:	Two at front; 7,50 - 18 AS Front 6 ply pneumatics (acc.to DIN 7808); maximum permissible weight on each tyre 765 kp at 2,5 kp/cm²; when transporting mounted implements 956 kp; track from 1425 mm to 1925 mm changeable by extending front axle in steps of 100 mm
Rim:	5,5o F x 18
Driving wheels:	Two at rear; 18,4/15-30 AS 8 ply pneumatics (acc.to DIN 7807); maximum permissible weight on each tyre 2415 kp at 1,4 kp/cm²; when transporting mounted implements 2775 kp; track 1520 mm and 1823 mm changeable by reversing wheels
Rim:	W 14 L x 30
Wheel base:	2415 mm

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Weights — With power lift, three-point linkage, full fuel tank and oil, as tested

		without driver	with driver
Weight of tractor without ballast:	Front axle load:	1019 kp	1024 kp
	Rear axle load:	1813 kp	1883 kp
	Total:	2832 kp	2907 kp
Ballast front:	4 weights	40 kp each total	160 kp
Ballast rear:	12 weights per wheel	58 kp each total	1392 kp
	Water in the tyres		551 kp
Weight of tractor with ballast:		without driver	with driver
	Front axle load:	1220 kp	1220 kp
	Rear axle load:	3715 kp	3790 kp
	Total:	4935 kp	5010 kp

Seat — Make: Grammer, 8450 Amberg;
Type: DS 20 D1
Upholstered seat with backrest and armrests, parallelogramguided; spring and damping adjustable to driver's weight; height above ground from 1330 mm till 1425 mm changeable, therewith distance of backrest from the centre of drawbar changes from 1005 mm till 770 mm; in median plane

Number of grease points (whole tractor) : 14

Overall dimensions

Overall lenght:	3950 mm with three-point linkage
Overall width:	1985 mm at 1520 mm track, without ballast weights
Overall height:	1780 mm to highest point of steering wheel
Maximum ground clearance:	430 mm in median plane of tractor
	490 mm at 300 mm apart median plane

ighting equipment — Electric 12 Volt, acc.to StVZO (German Govt.Regulation) additionally with main head light beam

	Height above ground of centre mm	Dimensions of area mm	Distance from outside edge of tractor to centre mm
Head lights	1055	130 ø	765
Side lights +)	1565	150 x 55	140
Rear lights *)	1380	150 x 55	150
Reflectors	1035	75 ø	45

+) combined with direction indicator
*) combined with direction indicator and stoplight

FUEL AND LUBRICANTS USED IN TESTS

Laboratory and track tests

Fuel:	Aral Diesel oil, specific gravity at 15°C : 0,827 kg/l (commercially available quality acc.to DIN 51 601)
Engine oil:	Aral engine oil HD SAE 20W/ 20
Transmission oil:	SAE 90
Hydraulic oil:	Aral engine oil HD SAE 20W/ 20

PRÜFUNGS-ABTEILUNG
Deutz D 70 06

Test No. 70-79

COMPULSORY TESTS

(1) MAIN POWER TAKE-OFF PERFORMANCE

Date and location of tests: 9.11.1970 Groß-Umstadt

Type of dynamometer: Schenck hydraulic dynamometer U1-40

Maximum power

Horsepower metric hp	Speed engine rev/min	Speed p.t.o. rev/min	Fuel consumption total l/h	Fuel consumption specific g/metric hp h	Specific energy metric hp h/l
At maximum power 2-hour test					
64,4	2302	614	14,0	180	4,60
At standard p.t.o. speed (540 rev/min)					
60,0	2025	540	12,6	173	4,76
At the speed recommended by the manufacturer for drawbar work					
64,4	2302	614	14,0	180	4,60
Fuel consumption at part loads					
(i) 85% of torque at maximum power					
55,2	2323	620	12,1	181	4,56
(ii) unloaded					
-	2415	644	4,2	-	-
(iii) 50% of the load defined in (i)					
28,2	2365	631	7,6	222	3,71
(iv) maximum power					
64,4	2302	614	14,0	180	4,60
(v) 25% of the load defined in (i)					
14,2	2388	637	5,7	329	2,49
(vi) 75% of the load defined in (i)					
41,6	2340	624	9,9	196	4,21

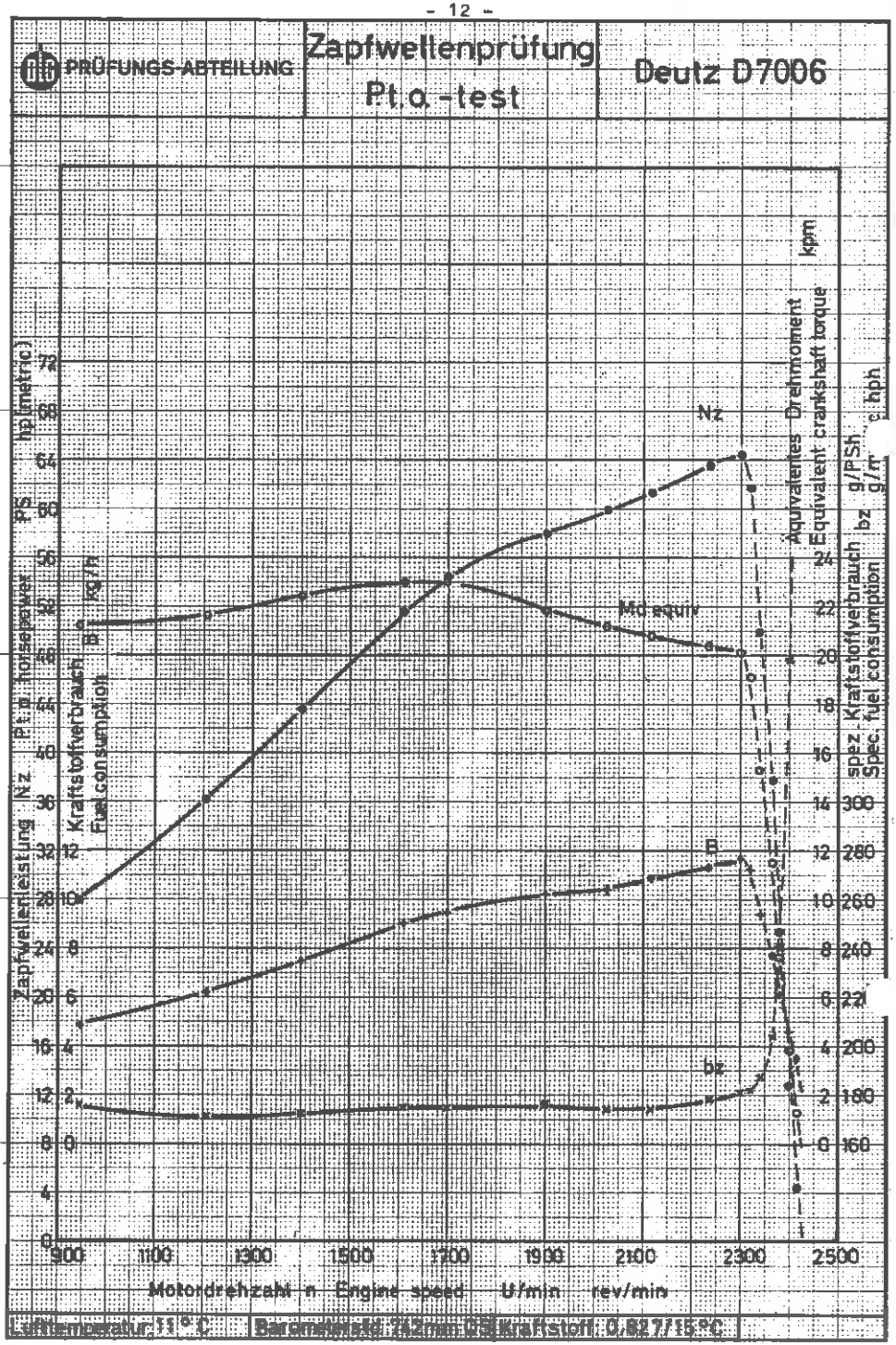
No load maximum engine speed: 2415 rev/min

Equivalent crankshaft torque at maximum power: 20,0 kpm

Maximum equivalent torque: 22,9 kpm at 1610 rev/min of the engine

Mean atmospheric conditions:
temperature 11°C
pressure 742 mm Hg
relative humidity 87%

Maximum temperatures:
coolant -
engine oil 80°C
fuel 18°C


PRÜFUNGS-ABTEILUNG
Zapfwellenprüfung
P.t.o.-test
Deutz D7006
Zapfwellenleistung Nz
P.t.o. horsepower
hp (metric)
PS
Kraftstoffverbrauch B
Fuel consumption
kg/h
Nz
Äquivalentes Drehmoment
Equivalent crankshaft torque
kpm
Mo equiv
B
bz
spez. Kraftstoffverbrauch
Spec. fuel consumption
g/PSh
g/hph
Motordrehzahl n Engine speed U/min rev/min
900
1100
1300
1500
1700
1900
2100
2300
2500
Lufttemperatur 11° C
Barometerstd. 742mm QS
Kraftstoff 0,827/15°C

Zapfwellenprüfung
Pto-test
Deutz D7006
Kraftstoffverbrauch
Fuel consumption
Motordrehzahl
Engine speed
Zapfwellenleistung
Pto power
Äquivalentes Drehmoment
Equivalent crankshaft torque
Spez. Kraftstoffverbrauch
Spec. fuel consumption
Umgebungstemperatur
Barometerstd.
Kraftstoff
Pto-test

(2) DRAWBAR PERFORMANCE

Date of test: 28.4.1971 till 5.5.1971

Type of track: concrete

Gear No. and Group	Speed km/h	Horse-power metr.hp	Drawbar pull kp	Engine speed rev/min	Slip of wheels %	Specific energy metr.hp h/l	Specific fuel consumpt. g/metr.hp h	Temperatures Fuel °C	Coolant °C	Engine oil °C	Atmospheric conditions Tempe-rature °C	Relative humidity %	Pressure mm Hg
(i) MAXIMUM POWER with ballast, height of drawbar above ground 450 mm													
1 creep	1,35	25,1	5020	2380	14,8	3,10	263	20	-	85	20	64	751
2 creep	2,48	45,5	4950	2360	14,9	3,91	212	15	-	85	15	70	751
1 slow	3,15	54,5	4670	2300	13,3	3,88	213	15	-	85	14	77	751
3 creep	4,46	56,7	3435	2300	8,6	4,03	206	13	-	85	14	75	751
2 slow	6,37	58,2	2465	2300	5,9	4,13	201	12	-	85	15	75	751
1 fast	7,98	57,9	1960	2300	4,8	4,13	201	12	-	85	13	76	752
3 slow	11,24	59,1	1420	2300	3,1	4,22	197	10	-	85	10	80	752
2 fast	15,3	56,4	995	2300	2,1	4,02	207	10	-	85	10	80	752
(ii) FIVE-HOUR-TEST AT 75% OF PULL AT MAXIMUM POWER IN 3rd CREEP GEAR													
3 creep	4,66	44,5	2576	2345	6,4	3,99	208	16	-	85	16	66	748
(iii) FIVE-HOUR-TEST AT PULL CORRESPONDING TO 15% WHEEL SLIP IN TEST (i) *)													
2 creep	-	-	4950	2360	-	-	-	16	-	85	16	66	748
(v) MAXIMUM POWER without ballast, height of drawbar above ground 635 mm													
1 slow	3,22	37,0	3100	2365	14,7	3,52	235	16	-	85	16	64	752
3 creep	4,26	49,1	3110	2330	14,7	3,68	225	15	-	85	15	66	753
2 slow	6,17	55,3	2420	2300	9,7	3,93	211	13	-	85	13	70	753
1 fast	7,82	57,0	1967	2300	7,5	4,05	205	11	-	85	12	76	753
3 slow	11,11	57,9	1408	2300	5,3	4,13	201	12	-	85	10	77	753
2 fast	15,1	56,4	1009	2300	3,8	4,01	207	12	-	85	10	78	754

Engine oil consumption during ten hours duration of tests (ii) and (iii) : 30 g/h

*) The test (iii) was carried out with additional ballast. The results for power, slip, speed and fuel consumption are therefore without any practical significance.

(3) TURNING SPACE AND TURNING CIRCLE

Wheel equipment front: 7,50-18 AS Front 6 ply, **without** ballast
rear: 18,4/15-30 AS 8 ply, **without** ballast

Track of wheels front: 1425 mm
rear: 1520 mm

	With brakes		Without brakes	
	left-hand m	right-hand m	left-hand m	right-hand m
Radius of turning space	4,03	3,96	4,36	4,24
Radius of turning circle	3,89	3,82	4,23	4,1o

(4) LOCATION OF CENTRE OF GRAVITY

	Without ballast mm
Height above ground	752
Distance forward from the vertical plane containing the axis of the rear wheels	850
Distance of the median plane of the tractor on left hand side	5

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(5) BRAKING PERFORMANCE

A) FOOT BRAKE

Date of test: 9. and 10.3.1971

Type of track: Concrete

Type of decelerometer: Moto-Meter Bremsverzögerungs- und Pedalkraftschreiber, Moto Meter Hermann Schlaich 7 Stuttgart N

Travelling speed of tractor: 24,8 km/h

With cold brakes

		Tractor with ballast	Tractor without ballast
Deceleration	m/s^2	5,3	4,4
Stopping distance	m	5,8	6,4
Force on pedal	kp	78	46
Force on pedal to achieve a deceleration of 2,5 m/s^2	kp	36	25

BRAKE FADE CHARACTERISTICS

			Tractor with ballast	Tractor without ballast
Deceleration	hot/cold	%	100	107
Stopping distance	cold/hot	%	100	100
Force on pedal	cold/hot	%	100	98

B) PARK BRAKE

Tractor facing up slope.
Pull on hand brake 38 kp, tractor does not roll.

Tractor facing down slope.
Pull on hand brake 36 kp, tractor does not roll.

(6) AMBIENT NOISE EMITTED BY THE TRACTOR

Date of test: 11.11.1970
Type of track: Concrete
Type of sound level meter: Bruel & Kjaer type 2203

Results of test

Speed: 3rd fast
Travelling speed before acceleration: 21,0 km/h
Sound level: 89 dBA

(7) NOISE AT THE DRIVER'S EAR LEVEL

Date of test: 8.12.1970
Type of track: Concrete
Type of sound level meter: EZGN, Rohde & Schwarz, 8 München
Type of octavfilter: PBO, Rohde & Schwarz, 8 München

No cab fitted on tractor

Results of tests

Gear	Drawbar pull at which the tractor develops the maximal sound level kp	Travelling speed nominal km/h	Travelling speed effective km/h	Sound level dBA	Sone
1 slow	2500	3,6	3,4	92	
3 creep	2300	4,9	4,6	92	
2 slow *)	2200	6,8	6,4	95	82
1 fast	1800	8,4	8,1	92	
3 slow	1200	11,7	11,6	92	
2 fast	700	15,6	15,9	92	

*) The 2 slow gear corresponds to the travelling speed nearest to 7,25 km/h

(8) POWER LIFT AND HYDRAULIC PUMP PERFORMANCE

Date and location of tests: 19.11.1970, Groß-Umstadt

Hydraulic fluid: Aral engine oil HD SAE 20W/ 20

POWER LIFT

Height above ground in down position hitch point	test frame	Total vertical movement	Maximum force exerted through full lift range	Pressure of hydr. oil	Linkage load at which unballasted front end of tractor lifts off the ground
mm	mm	mm	kp	kp/cm²	kp
Measured on the hitch points of lower links					
175	-	680	1885	175	greater than max. lifting force
440	-	625	2035	175	
Measured on the test frame 610 mm to the rear of the hitch points					
175	195	693	1730	175	1555
440	430	750	1720	175	1555

Type of linkage lock for transport: hydraulical

Opening pressure of the cylinder overpressure relief valve, manufacturer's information: 250 kp/cm²

PUMP CHARACTERISTICS

(i) opening pressure of reliev valve: 180 kp/cm²
sustained pressure by the open relief valve: 175 kp/cm²

Pump delivery rate at external tapping

(ii) at minimum pressure: 29,3 l/min

(iii) at maximum hydraulic power: 27,8 l/min

maximum hydraulic power: 10,2 metric hp

delivery pressure: 165 kp/cm²

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OPTIONAL TESTS

(9) ENGINE PERFORMANCE

Date and location of tests: 21.10.1970, Groß-Umstadt

Type of dynamometer: Schenck eddy current dynamometer W 150

Maximum power

Horsepower metric hp	Engine speed rev/min	Fuel consumption total l/h	Fuel consumption specific g/metric hp h	Specific energy metric hp h/l
At maximum power 2-hour test				
68,0	2300	13,9	170	4,89
At standard p.t.o. speed (540 rev/min)				
62,9	2025	12,5	165	5,03
At standard p.t.o. speed (1000 rev/min)				
66,1	2170	13,5	168	4,90
At the speed recommended by the manufacturer for drawbar work				
68,0	2300	13,9	170	4,89
Fuel consumption at part loads				
(i) 85% of torque at maximum power				
58,6	2330	11,9	169	4,93
(ii) unloaded				
-	2415	3,2	-	-
(iii) 50% of the load defined in (i)				
29,8	2370	7,4	206	4,05
(iv) maximum power				
68,0	2300	13,9	170	4,89
(v) 25% of the load defined in (i)				
15,1	2400	5,3	291	2,87
(vi) 75% of the load defined in (i)				
44,5	2350	9,6	180	4,67

Optimum fuel consumption: 163 g/metric hp h at 41,1 metric hp and 1580 rev/min

Standard fuel consumption 1/2 (acc.to DIN 96/6) : 5,8/ 11,5 l/h

No load maximum engine speed: 2415 rev/min

Torque at maximum power: 21,1 kpm

Maximum torque: 23,7 kpm at 1610 rev/min of engine

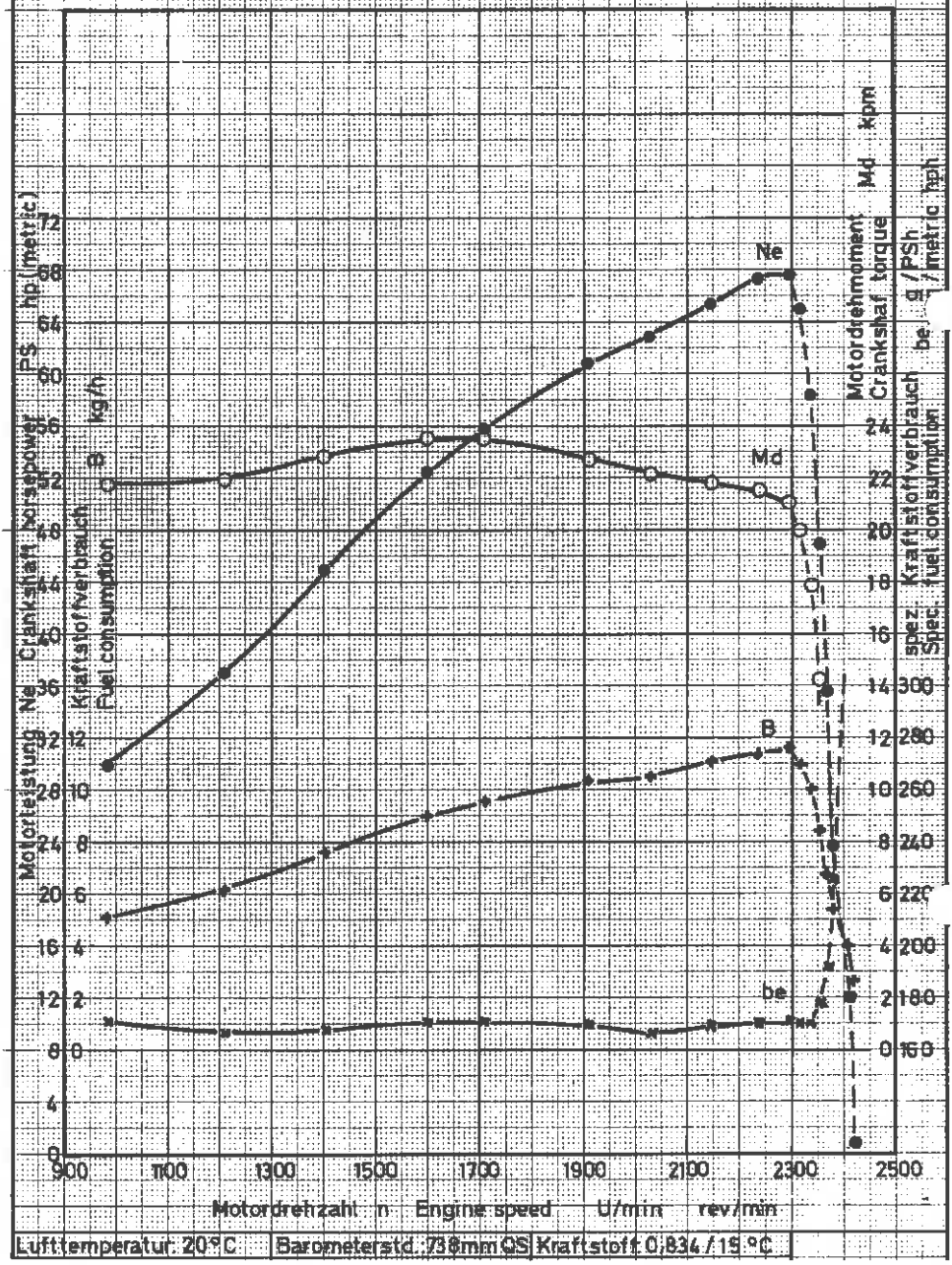
Mean atmospheric conditions:
temperature 20°C
pressure 738 mm Hg
relative humidity 60°C

Maximum temperatures:
coolant -
engine oil 85°C
fuel 21°C

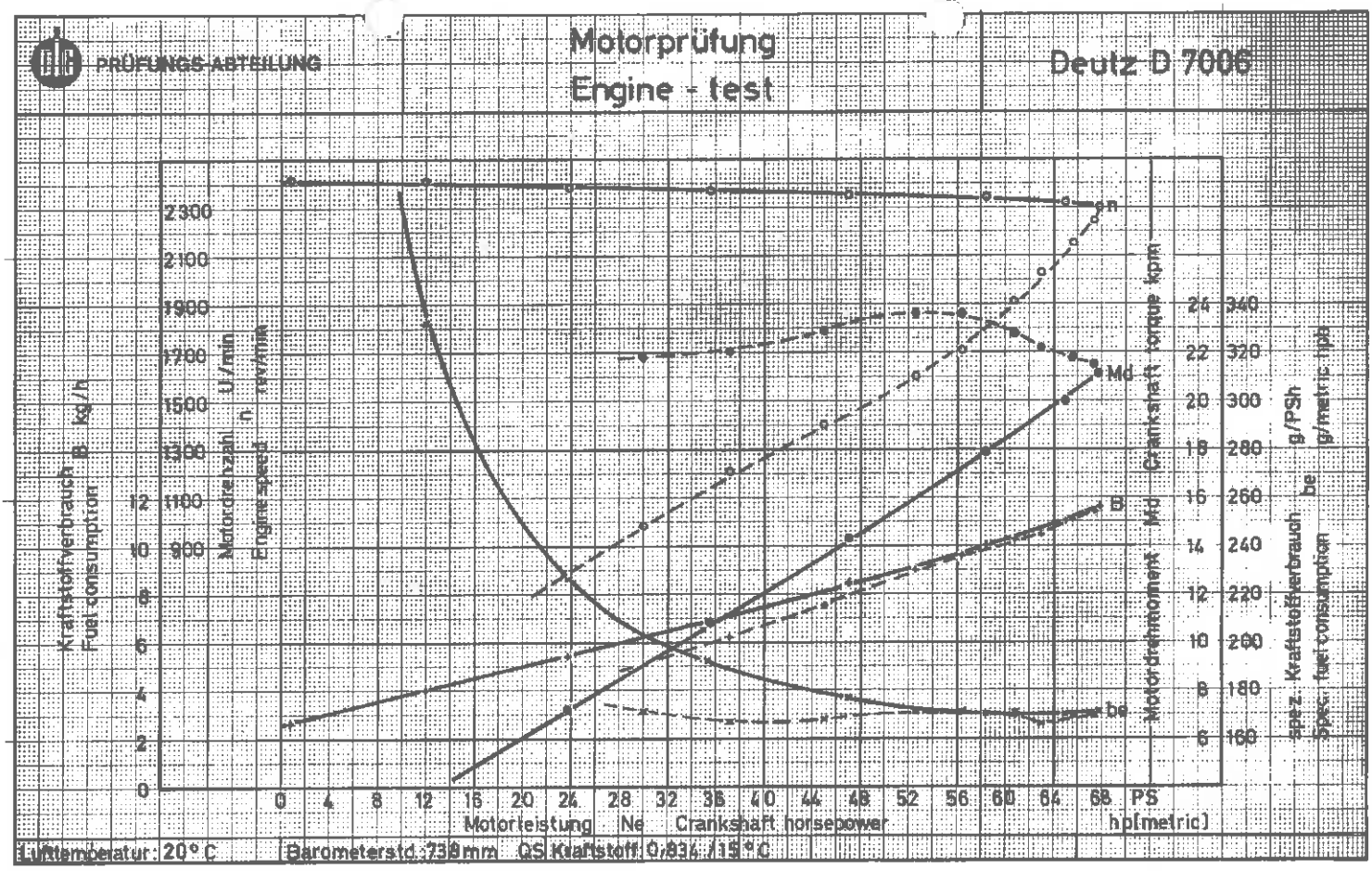
PRÜFUNGS ABTEILUNG

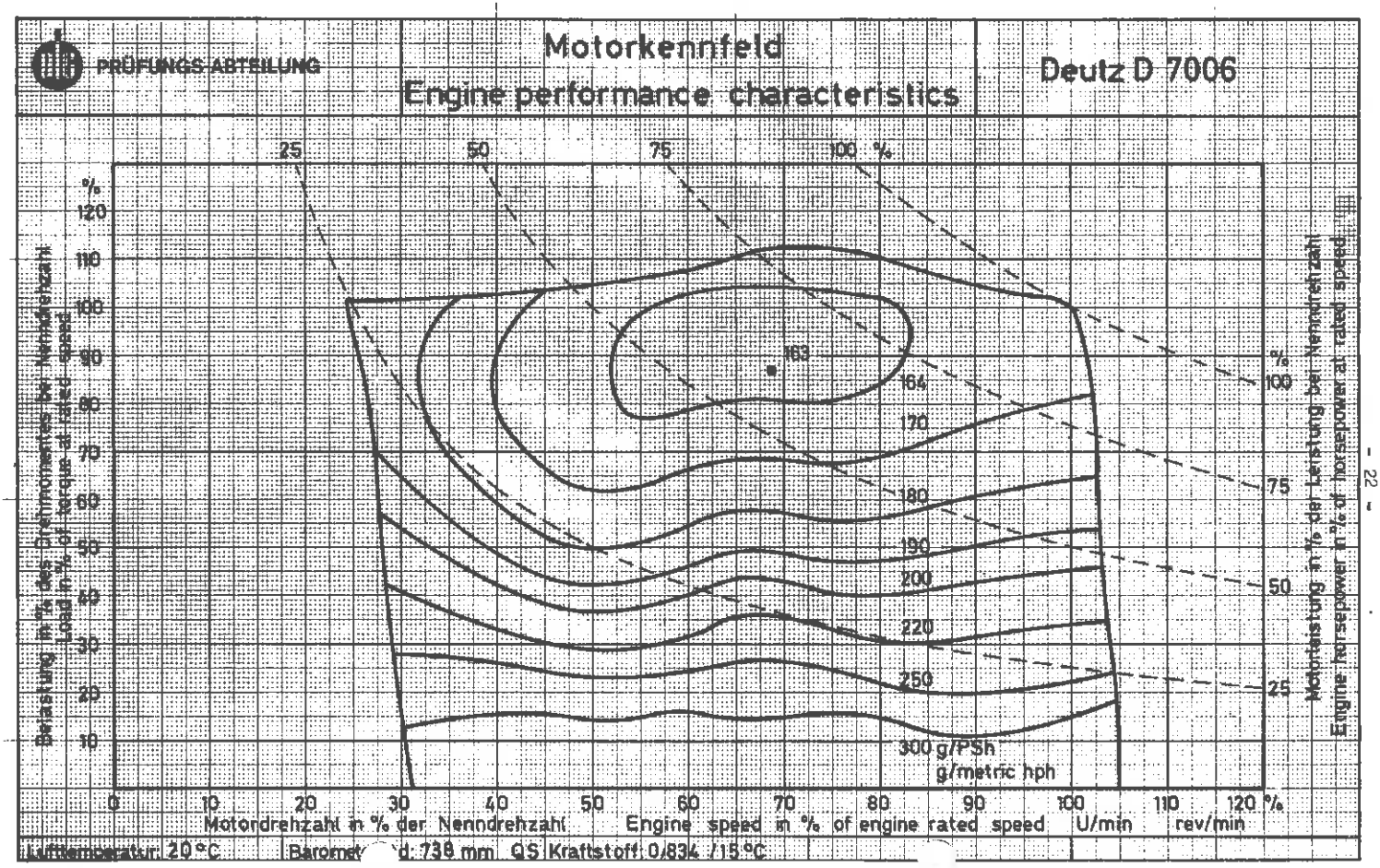
Motorprüfung
Engine-test

Deutz D7006



Lufttemperatur: 20°C | Barometerstd.: 738 mm QS | Kraftstoff: 0,834 / 15 °C


PRÜFUNGS-ABTEILUNG
Motorprüfung
Engine - test
Deutz D 7006
Kraftstoffverbrauch B kg/h
Fuel consumption
Motordrehzahl n U/min
Engine speed n rev/min
Crankshaft torque kpm
Motordrehmoment Md
spez. Kraftstoffverbrauch be g/PSh
Spec. fuel consumption g/metric hph
n
Md
B
be
Motorleistung Ne Crankshaft horsepower
hp(metric)
Lufttemperatur: 20° C
Barometerstd. 739 mm QS Kraftstoff 0,834 /15 °C


PRÜFUNGS ABTEILUNG
Motorkennfeld
Engine performance characteristics
Deutz D 7006
25
50
75
100 %
%
120
110
100
90
80
70
60
50
40
30
20
10
Belastung in % des Drehmomentes der Nenndrehzahl
Load in % of torque at rated speed
163
164
170
180
190
200
220
250
300 g/PSh
g/metric hph
%
100
75
50
25
Motorleistung in % der Leistung bei Nenndrehzahl
Engine horsepower in % of horsepower at rated speed
0
10
20
30
40
50
60
70
80
90
100
110
120 %
Motordrehzahl in % der Nenndrehzahl
Engine speed in % of engine rated speed
U/min
rev/min
Lufttemperatur: 20 °C
Barometerstand: 730 mm QS Kraftstoff: 0,834 /15 °C