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Test 684: Fordson Dexta 957 E

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NEBRASKA TRACTOR TEST NO 684 FORDSON DEXTA DIESEL

THURS . BALLIAS . BUILT

University of Nebraska Agricultural Experiment Station W. V. Lambert, Director, Lincoln, Nebraska

				POWEF	R TAKE-C	FF PERFOR	RMANCE	do tî		b 10 3	datak
Нр		Crank shaft Fuel Cons speed Gal		el Cons	umption Hp-hr Lb per per gal		Temper L Cooli	Temperature Cooling		ees F Air dry bulb	Barometer inches of Mercury
		rpm	per hr		hp-hr POWER AND FUEL C			medium		Вито	Julio Hercury
			I		and the same of th				201091	1 100	1 TO SELAT
	31.41	2000	2.0		Engine 0.453	Speed - 7	Two Hours		55	75	28,820
		St	endard	Power Ta	ake-off	Speed (5)	10 rpm) -	- One	Hour		
	26.07	1551	1.60		0.432	16.24	167	7	56	75	28.820
			VARYING	FOWER	AND FUE	EL CONSUMI	PTION - I	WO HO	OURS	MULTINGS.	er Autoritation
	30.23	2264	2.00	Commence of the Commence of th	0.479	14.63	165	, and	58	76	
Allow Control of the	1.65		0.775		3.291	2.13	114		56	72	
	15.17	2271	1.30		0.601	11.66	126		57	74	
150	31.69	1999	2.0		0.459	15.26	156		58	77	
- BYSS	7.56	2263	0.9		0.901	7.78	118	Name and Address of the Owner, where the Owner, which the Owner, where the Owner, which the	57	74	
	22.87	2281	1.6		0.504	13.91	139		58	78	28.790
Av	18.20	2224	1.4	72	0.567	12.36	136)	57	75	20.190
	neus I	01.789081				PERFORMANO	CE	100 101		Analysis was	And the state of
	Draw-		Crank			nsumption			Degre		D
Нр	bar	miles	shaft	of	Gal	Lb	Hp-hr		- Air	Air	Barometer
	pull	per	speed	drive	per	per	per		wet	dry	inches of
10000	lbs	hr	rpm	wheels	hr	hp-hr	gal	med	The state of the s	bulb	Mercury
650	7 9740					FUEL CONS	THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	CHARLES AND ADDRESS OF THE PARTY NAMED IN	Colonia de la Casa de	21	I SOMEJBID
						er - Two I				۲٥.	00 460
27.03	2144	4.73	1999	4.45		0.531	13.20	157		58	28.560
10.13	5 - 1 - 1					ower - Te	The second secon			10	00 000
23.03	1654	5.22	2190	3.62		0.559	12.54	119	37	42	28.899
						ower - Two				a Libe	-0 -10
16.83	1173	5.38	2216	1.92	1.514	0.631	11.12	112	36	39	28.548
				MAXI	MUM POWE	ER WITH BA	ALLAST	TIM	edexor		"SOL atol
19.71	4362	1.69	2196	12,99	1st Ge	ear	त्रीत तम ५०	132	40	46	28.670
26.80	2883	3.49	2003	7.86	2nd Ge			149	40	46	28.670
27.57	2219	4.66	2002	5.96	3rd Ge	ear		138	40	46	28.670
27.32	1734	5,91	2000	4.79	Lith Ge		92 08 -	135	40	46	28.670
26.01	944	10.33	2005	2.48	5th G	ear		117	40	46	28.670
		SHEARING	grade for	MAXIMU	M POWER	WITHOUT I	BALLAST		aded 1		
27.80	2256	4.62	1998	8.94	3rd Ge			117	33	37	29.055
						VEL SPEED	WITH BA				
Pounds	s pull		2200	23	-	2400	- 2400	9 (9)	2700		2450
Horsey			27.6		.8	23.7	20.5		17.9		15.0
	per ho	our	4.7		.2	3.7	3.2		2.8		2.3

TIRES, BALLAST and WEIGHT With Ballast Without Ballast Rear tires - No, size, ply & psi Two 12.4-28;4;14 Two 12.4-28;4;12 Ballast - Liquid 202 lb each None Cast iron 903 lb each None Front tires - No, size, ply & psi Two 5.50-16;4;32 Two 5.50-16:4:32 Ballast - Liquid 50 lb each None

 Cast iron
 149 lb each
 None

 Height of drawbar
 22 l/2 inches
 23 inches

 Static weight - Rear
 4130 lb
 1920 lb

 Front
 1695 lb
 1298 lb

 Total weight with operator
 6000 lb
 3393 lb

Department of Agricultural Engineering
DATES OF TEST: February 28 to March 16, 1959
MANUFACTURER: FORD MOTOR COMPANY LTD., DAGENHAM, ESSEX, ENGLAND
MANUFACTURER'S POWER RATING: Not Rated

FUEL, OIL and TIME Fuel No 2 Diesel Cetane No. 51 (rating taken from oil company's typical inspection data) Specific gravity converted to 60°/60° 0.8418 Weight per gallon 7.009 lb Oil SAE 20-20W API service classification DG and MS To motor 1.837 gal Drained from motor 1.469 gal Transmission and final-drive lubricant SAE No 20W-30 Type MP Total time motor was operated 43 1/2 hours.

ENGINE Make Ford Motor Company Ltd. Diesel Type 3 cylinder vertical Serial No 1419112 Crankshaft mounted lengthwise Rated rpm 2000 Lubrication pressure Bore and stroke 3.50" x 5.00" Compression ratio 16.5 to 1 Displacement 144 cu in Cranking system 12 volt battery Air cleaner oil washed wire gauze Muffler was used Oil filter replaceable treated paper element Fuel filter one replaceable paper element Cooling medium temperature control thermostat.

CHASSIS Type standard Serial No 1419,12 Tread width rear 48" to 76" front 52" to 76" Wheel base 73 1/2" Center of gravity (without operator or ballast, with minimum tread, with fuel tank filled and tractor serviced for operation) Horizontal distance forward from center-line of rear wheels 29" Vertical distance above roadway 25" Horizontal distance from center of rear wheel tread 0" to the right or left Hydraulic control system driven by PTO shaft Advertised speeds mph first 1.56 second 3.64 third 4.80 fourth 6.14 fifth 10.49 sixth 17.33 reverse 2.54 and 7.51 Belt pulley diam 9" face 6 1/2" rpm 1290 Belt speed 3039 fpm Clutch double plate dry disc clutch operated by foot pedal Brakes internal expanding shoe operated by two foot pedals Power take-off 536 rpm at 1550 engine rpm Steering no power assistance Turning radius (on concrete surface with brake applied) right 102" left 102" (on concrete surface without brake) right 120" left 120" Turning space diameter (on concrete surface with brake applied) right 210" left 210" (on concrete surface without brake) right 250" left 250".

REPAIRS AND ADJUSTMENTS No repairs or adjustments.

REMARKS All test results were determined from observed data obtained in accordance with SAE and ASAE test code. Sixth gear was over 15 mph and therefore it-was not tested.

We, the undersigned, certify that this is a true and correct report of official Tractor Test No 684.

Engineer-in-Charge

Beard of Tractor Test Engineers