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January 1973

Test 1129: International 674 Utility and 674 Row Crop (Diesel)

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NEBRASKA TRACTOR TEST 1129 - INTERNATIONAL 674 UTILITY DIESEL (ALSO INTERNATIONAL 674 ROW CROP DIESEL)

POWER TAKE-OFF PERFORMANCE

	r	OWEK	I AKE-	OFF PE	Kruki	VIAN	J.E.	
	Crank- shaft	Fuel Cor Gal	nsumption Lb	Hp-hr	Temp	erature I Air	Degrees F Air	Barometer
Hp		per hr	per hp-hr	per gal	Cooling medium	wet bulb	dry bulb	inches of Mercury
				AND FUE				
_				o Hours (<u>-</u>
61.56		4.113	0.466	14.97	192	61	75	29.160
	Stand	lard Powe	r Take-o	ff Speed (540 rpm	-One	Hour	
58.79	9 2141	3.854	0.458	15.25	195	59	75	29.155
				UEL CON			Two Hot	ırs
55.06		3.738	0.474	14.73	187	59	75	
0.00		1.289 2.423	0.609	11.57	180	59 59	75 75	
28.0 ⁴ 61.66		4.151	0.603	11.57	192	59	75	
14.14		1.809	0.893	7.82	180	59	75	
41.86		3.102	0.517	13.49	185	60	75	
v 33.46	2545	2.752	0.574	12.16	185	59	75	29.150
		DRA	WBAR	PERFO	RMAN	CE		
J		d Crank		l Consumpti			p Degrees	
Hр	bar mile pull per	speed	drivers p	Gal Lb per per	Hp-hr per	Cool- ing	wet di	
	lbs hr			hr hp-hi		med	bulb bu	
ARYIN								BALLAST
54.45	maxim 5114 3.9			er—Two H .028 0.510				3 29.145
	75% of P							
	3944 4.2			.437 0.539		181		4 29.349
	50% of P	ull at Ma	kimum P	ower–Two	Hours-	-3rd G	ear (3 I	.o)
30.56	2584 4.4	3 2530	4.58 2.	.703 0.617	7 11.31	177	41 4	7 29.225
500	% of Pull	at Reduc	ed Engine	e Speed-T			Gear (Hi)
30.41	2584 4.4			.112 0.485			48 5	8 29.200
				VER WIT				
	6833 2.8			nd Gear (2		190	56 7	
	$\frac{5224}{3882}$ $\frac{4.0}{5.3}$			rd Gear (3 l th Gear (4 l		189 191	$\frac{51}{48}$ $\frac{6}{7}$	$ \begin{array}{ccc} 7 & 28.970 \\ \hline 0 & 28.970 \\ \end{array} $
	$\frac{3682}{2983}$ $\frac{3.5}{7.0}$			th Gear (1)		192		0 28.990
	1745 11.6			th Gear (2)		192		0 28.990
VAR	YING DR	AWBAR				ED W	TH BA	LLAST
	D., 11	F00		Gear (3 Lo		E7E0	2090	F710
Pounds I Horsepov		522 55.6				5759 12.25	5830 36.46	5718 29.87
	ft Speed r					1680	1438	1495
	r Hour	4.0	00 3.	.56 3.	.16	2.75	2.34	1.96
lip of Γ	Privers %	9.2	23 9.	.00 10.	.38 1	0.73	11.18	10.95
		TRACTO	R SOUNI	D LEVEL			dB(A)
	m Available							1.0
, -	Pull at Ma							0.0
	Pull at Ma Pull at Re			1.9 Hours				9.5
	r 8th Gear		me speed	1 2 Hours				7.0
	BALLAST		GHT	With	Ballast			Ballast
Rear t			e, ply & p		16.9-30;6	:16		9-30;6;16
Balla		-Liquid	- / -	934	lb each	,	None	0 00,0,10
.	.•	Cast Ir			lb each	00	None	0.10.000
Front Balla		-No., siz -Liquid	e, ply & p	osi Two None	7.50-16;6	;20	Two 7.59 None	0-16;6;20
	··· · ·	Cast Ir		None			None	
	of drawb				inches		15½ in	
Static	weight wit	h operato	_	6850			3810 lb	
			front total	1840 8690			1840 lb 5650 lb	
				0000	-~		0000 10	

Department of Agricultural Engineering v 17, 1973 NAL HARVEST-

uel No. 2 Diesel om oil company's cific gravity coneight per gallon vice classification 30 recommended SD SC) (Formerly 16 gal Drained nission and final luid Total time

al Diesel Type 239DT20440026 se Rated rpm x 5.060" Comnent 238.6 cu. in. ric Lubrication ge type with reit and automatic ow treated paper adiator for trans-Fuel filter one laceable screw-on Cooling medium

d Serial No. rear 58" to 74" 84.4" Center of llast, with minilled and tractor rizontal distance ear wheels 27.4" ay 30.3" Horiréar wheel tread c Control system ion selective gear s mph first 1.9 5 fifth 7.1 sixth reverse 2.4, 3.9, ry disc operated le disc hydrauliclals that can be matic equalizing radius (on conlied) right 121" without brake) space diameter e applied) right surface without ower take-off 605

NTS: No repairs

were determined accordance with official Nebraska

was necessary to o avoid excessive ghth gears were miles per hour.

that this is a ial Tractor Test

> GGE, Chairman Board of Tractor Test Engineers