

RECORDS OF MAXIMUM BRAKE TEST AND PLOWING TEST AS PERFORMED BY 3rd TO 20th, 1912, UNDER THE AUSPICES OF THE

Class 76 Section	Entry Number	Maker's Name.	HALF-HOUR MAXIMUM BRAKE TEST										FLOWING TEST									
			Total Time Running Minutes	Time Lost Due to Engines	Average H.P. Developed	R.P.M. of Pulley	R.P.M. of Engine	Fuel used in lbs.	Horse Power—Hours per Unit of Fuel	Water used in Imperial Gals.	H.P. Hours per 100 Gals. Water		Number of Bottoms	Width of Plow Inches	Maker of Plow	Miles travelled (not including turns)	Length of Furrow— Feet	No. of times across Field	Average Width of Plowed Land—Feet	Acres Plowed	Average Depth— Inches	
B.—Gasoline	2	Canadian Heer	30	O	21.26	454.3	454.3	7.25	1.466	O			4	14	Cockshutt	6	3955	8	37.6	3.41	3.5	
	3	Avery	"	"	33.93	496.3	496.3	9.25	1.834	2.80	586.0		4 & 5	"	Avery	"	"	"	42.9	3.90	"	
	4	J. I. Case	"	"	35.11	462.6	462.6	11.0	1.595	1.50	1170		5	"	Case-Sattley	"	"	"	47.0	4.27	"	
	5	Goold, Shapley & Muir	"	"	34.38	393.5	393.5	13.0	1.322	O			4	"	Cockshutt	"	"	"	37.5	3.41	3.75	
	6	Inter'nt'l H's'tr Co.	"	"	44.05	432.9	432.9	15.0	1.468	16.62	132.6		5	"	Oliver	"	"	"	46.4	4.21	3.5	
C.—Gasoline	7	Sawye-Massey	30	O	40.65	269.4	538.8	14.25	1.426	0.75	270.9		5	"	Deere	"	"	"	46.7	4.24	3.5	
	8	Inter'nt'l H's'tr Co.	"	"	62.95	322.0	322.0	19.5	1.614	8.05	391.9		9 & 10	"	P. & O.	"	"	"	88.1	8.00	"	
	9	"	"	"	60.83	369.6	369.6	22.5	1.352	1.25	243.4		8	"	Oliver	"	"	"	75.8	6.79	"	
	10	Goold, Shapley & Muir	"	"									Withdrawn									
	11	Canadian Holt	30	O	53.25	631.0	631.0	18.5	1.439	O			7 & 8	"	Cockshutt	"	"	"	67.6	6.14	3.25	
	12	Aultman-Taylor	"	"	73.41	516.8	516.8	21.5	1.707	12.50	293.6		9	"	Deere	"	"	"	81.2	7.38	3.5	
	13	J. I. Case	"	"	68.43	347.1	347.1	32.0	1.069	10.62	322.1		10	"	Case-Sattley	"	"	"	92.1	8.36	"	
	15	Diamond Iron W'ks	"	"	57.30	544.0	544.0	28.75	0.996	3.60	796.0		10	"	Deere	"	"	"	90.9	8.25	"	
D.—Kerosene	1	Canadian Heer	30	O	21.87	457.0	457.0	17.5	0.625	0.60	1820		Withdrawn									
	16	Rumely	"	"	36.97	395.5	399.5	21.5	0.859	3.06	604.2		5	"	Rumely	"	"	"	45.5	4.13	3.5	
	18	Inter'nt'l H's'tr Co.	"	"	28.79	379.7	379.7	11.75	1.225	5.07	283.8		4	"	P. & O.	"	"	"	34.7	3.16	"	
	19	Avery	"	"	27.32	442.2	442.2	13.75	0.993	1.65	827.9		4	"	Avery	"	"	"	37.3	3.39	"	
E.—Kerosene	21	Inter'nt'l H's'tr Co.	30	O	57.66	370.6	370.6	20.5	1.406	7.10	406.1		8	"	P. & O.	"	"	"	73.6	6.68	3.61	
	22	Aultman-Taylor	"	"	61.20	525.4	525.4	24.0	1.275	11.25	272.0		7	"	Deere	"	"	"	62.9	5.71	3.5	
	23	Rumely	"	"	76.51	375.0	375.0	31.5	1.214	5.00	765.1		8 & 9	"	Rumely	"	"	"	77.4	7.03	3.6	
	24	J. I. Case	"	"	70.08	374.2	374.2	49.0	0.715	11.87	295.0		8	"	Case-Sattley	"	"	"	76.7	6.96	3.5	
F.—Steam	25	J. I. Case	30	O	63.35	267.5	267.5	145	21.84	120	26.39		6	"	Case-Sattley	"	"	"	56.5	5.13	3.4	
G.—Steam	26	J. I. Case	30	O	93.08	251.6	251.6	246.75	18.87	169.6	27.44		10	"	Case-Sattley	"	"	"	93.3	8.47	3.5	
H.—Steam	27	J. I. Case	30	O	144.22	239.9	239.9	230	31.35	201.8	35.73		12	"	Case Sattley	"	"	"	114.2	10.37	3.5	
	29	Sawyer-Massey	30	"	99.14	235.9	235.9	219.5	22.58	143.4	34.56		10	"	Deere	"	"	"	89.4	8.12	"	

THE VARIOUS ENGINES IN THE MOTOR COMPETITION, HELD AT WINNIPEG, JULY CANADIAN INDUSTRIAL EXHIBITION ASSOCIATION

FLOWING TEST																									
Total time required Minutes	Time lost due to plow, etc.—Minutes	Time lost due to Engines—Minutes	Time required turning—Minutes	Actual Time Plowing Minutes	Acres Plowed per Hour	Miles Travelled per Acre Plowed	Average Draw-Bar Pull—Lbs.	Average Draw-Bar Horse Power	Fuel used, including turns—Lbs.	Draw-Bar Horse Power—Hours per Unit of Fuel	Lbs Fuel used per Acre Plowed	Water used—Lbs.	Lbs. Water used per Acre Plowed	Average Draw-Bar Pull per 14-in. Plow	Draw-Bar Horse Power per Acre per Hour	Possible Miles Travelled without Replenishing Fuel	Possible Miles Travelled without Replenishing Water	Possible Acres Plowed without Replenishing Fuel	Possible Acres Plowed without Replenishing Water	Lbs. Water per Draw- Bar Horse Power— Hours	Cost of Fuel per Acre Plowed—Cents	Entry Number	Draw-Bar Horse Power—Hours		
238.5	14.0	4.5	7.2	212.8	0.96	1.76	3010	13.56	70.5	0.682	20.67	4.5	1.32	752	14.09	14.10	91.6	8.0	16.1	.094	57.6	2	48.1		
186.0	5.5	0	5.7	174.8	1.34	1.54	3135	17.22	65.5	0.765	16.79	91.5	23.46	660	12.85	14.56	13.9	9.5	90.0	1.83	46.8	3	50.1		
188.2	0	0	6.0	182.2	1.41	1.41	4450	23.41	70.25	1.012	16.45	4.25	0.99	890	16.64	32.00	322.0	22.4	22.9	.090	45.8	4	71.1		
184.0	13.0	0	8.0	163.0	1.26	1.76	3680	21.64	58.5	1.005	17.15	10.75	3.15	920	17.24	24.20	67.5	13.8	38.4	.183	47.8	5	58.8		
181.0	4.0	0	7.5	169.5	1.49	1.42	3610	20.42	79.5	0.726	18.88	302.75	71.90	722	13.70	25.1	20.0	17.6	14.0	5.25	52.6	6	57.7		
202.8	4.5	0	8.5	189.8	1.34	1.41	4985	25.20	98.75	0.807	23.29	9.5	2.24	977	18.79	15.7	182.0	11.1	128.5	.119	64.9	7	79.7		
200.0	3.0	0	9.5	187.5	2.56	0.75	6669	34.10	107.0	0.996	13.38	420.0	52.50	684	13.31	20.3	16.5	27.0	22.0	3.94	37.3	8	106.6		
185.4	5.2	0	8.5	171.7	2.37	0.88	6430	35.91	141.0	0.729	20.76	87.75	12.92	804	15.13	13.1	61.8	14.9	70.0	85.4	57.8	9	102.7		
																						10			
177.0	0	0	8.0	169.0	2.18	0.98	6338	35.96	94.0	1.077	15.30	O	O	874	16.51	20.8		21.3			42.6	11	101.3		
153.0	0	0	9.0	144.0	3.08	0.81	7080	47.14	97.5	1.160	13.22	408.0	55.30	787	15.33	22.0	15.9	27.1	19.6	3.61	36.8	12	113.1		
212.0	4.0	3.0	7.0	198.0	2.53	0.72	7700	37.29	155.75	0.789	18.63	488.5	58.43	770	14.72	26.2	13.0	36.6	18.0	3.97	51.9	13	123.0		
211.5	1.5	2.0	9.5	198.5	2.49	0.73	7350	35.50	156.5	0.750	18.96	O	O	735	14.24	12.4		17.0			52.8	15	117.4		
																						1			
204.0	7.0	0.7	8.0	188.3	1.32	1.45	4400	22.40	124.25	0.566	30.08	176.0	42.60	880	17.02	11.5	8.9	7.9	6.15	2.50	55.2	16	70.3		
193.0	0	0	14.0	179.0	1.06	1.89	3450	18.48	76.5	0.721	24.21	223.5	70.72	863	17.45	25.2	12.7	13.6	6.66	4.05	44.4	18	55.1		
184.0	2.5	2.2	6.8	172.5	1.18	1.77	2900	16.12	G 3.0 K105.0	0.429	31.85	50.0	14.74	725	13.67	8.8	25.5	5.1	14.4	1.08	58.4	19	46.3		
184.0	4.0	0	7.6	172.4	2.32	0.90	6595	36.67	G 1.0 K171.5	0.611	25.82	196.75	29.45	828	15.76	10.7	27.5	12.0	30.6	1.87	47.4	21	105.4		
155.0	0	3	7.3	144.7	2.37	1.05	5716	37.88	G 8.0 K115.0	0.743	21.54	374.5	65.58	817	16.00	17.5	17.3	16.6	16.5	4.10	39.5	22	91.3		
217.7	8.4	0	17.6	191.6	2.20	0.85	6880	34.42	K129.25	0.851	18.38	167.5	23.82	834	15.62	24.7	25.0	29.1	29.0	1.52	33.7	23	109.9		
206.0	3.0	0.5	13.4	189.1	2.21	0.86	6550	33.22	G 0.25 K227.0	0.461	32.65	619.0	88.93	819	15.04	18.0	10.1	20.8	11.8	5.91	59.9	24	104.7		
179.9	7.7	8.6	7.4	156.2	1.97	1.17	5060	31.06	76.5	10.57	149.12	5050	984.4	843	15.75	7.8	1.7	6.7	1.45	62.45	63.4	25	80.9		
171.0	2.2	0	7.0	161.8	3.14	0.71	8050	47.69	26.5	15.56	97.58	6780	800.4	805	15.18	8.8	1.8	12.4	2.5	52.70	41.5	26	128.6		
178.0	7.0	0	7.0	164.0	3.79	0.58	9750	57.00	1030.0	15.13	99.32	9704	935.8	812	15.02	12.6	1.8	21.8	2.3	62.28	42.2	27	155.8		
186.3	7.5	3	11.8	164.0	2.97	0.74	7900	46.17	1266.5	9.97	155.97	7970	981.5	790	15.55	3.7	2.0	16.9	2.7	63.13	66.3	29	126.2		