OECD APPROVAL # 1359/1
1359/2
(Restricted code)
Date of approval: March 20 1992

NEBRASKA TRACTOR TESTING LABORATORY
DEPARTMENT OF AGRICULTURAL ENGINEERING
INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES
UNIVERSITY OF NEBRASKA - EAST CAMPUS
LINCOLN, NEBRASKA 68583-0832, USA

REPORT ON TEST IN ACCORDANCE WITH OECD STANDARD CODE FOR THE OFFICIAL TESTING OF AGRICULTURAL TRACTOR PERFORMANCE

RESTRICTED TEST-CODE II

CASE INTERNATIONAL 9260 (4 WD) Rigid Frame
STEIGER 9260 (4 WD) Rigid Frame



MANUFACTURED BY: J.I. Case Company
3401 First Avenue
Fargo, North Dakota, 58102 USA

NEBRASKA TEST NO. 1652

Test date: September 1991

This test report provides the results of the tests conducted in accordance with the OECD Standard Test Code for the Official Testing of Agricultural Tractor Performance - C(87)53 Final - Annex II, Restricted Code.

This report has been approved by the OECD Coordinating Centre in Paris (CEMAGREF) on March 20 1992

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Table of Contents.

	Page
1. SPECIFICATIONS	1
2. TEST CONDITIONS	11
3. COMPULSORY TESTS	
Main Power Take-Off Performance	13
Power Lift and Hydr. Pump Perf.	16
Drawbar Performance	18
4. GRAPHS	19

SPECIFICATIONS OF TRACTOR.

Manufacturers name/address	:	J.I. Case Company 3401 First Avenue North Fargo, North Dakota 58102
Location of tractor assembly	:	Fargo plant
Submitted for test by	:	The manufacturer
Selected for test by	:	The manufacturer in agreement with the test station.
Place of running in	:	Case IH Fargo, North Dakota
Duration of running in	:	226 hours
Location of Test	:	Tractor Testing Laboratory Lincoln, Nebraska, USA.

SPECIFICATIONS OF TRACTOR

TRACTOR.

Make/Model/Type	Case IH 9260,4WD,Rigid frame
Number of driving wheels	4
Serial number	-JCB0022218-
1st Serial number	-JCB0006032-

ENGINE.

Make	Cummins
Model	LTA-10
Type	diesel, direct injection, turbocharged and intercooled
Serial Number	34642428
Cylinders	
Number/disposition	6, in-line, vertical
Bore x stroke	125.0 mm x 136.0 mm (4.921 in x 5.354 in)
Capacity	10000 ml (610 in)
Compression Ratio	16.0 - 1
Arrangement of valves	Overhead
Cylinder liners	Wet, replaceable
Super charging	
Make/Model/Type	Holset/H2C/exhaust gas driven
Pressure	149-176 kPa (21-26 psi)
Fuel System	
Feed system	Engine driven transfer pump
Make/Type/Model of filters	Case IH/spin on/28-035
Fuel Tank capacity	757 liters (200 US gallons)

Make/Model/Type Injection Pump	Cummins Type G,Model PT,AFC variable speed governor,gear pump supplies pressure for PT system
Pump Serial number	3893760
Production setting of pump Flow Rate (Rated Eng.Spd & Full Load)	44.9 - 47.2 kg/h (99.0 - 104.0 lb/h) (fuel density - 0.838 kg/l)
Make/Model/Type of injectors	Cummins PTD,top stop,PN 3049149
Injection pressure	106.9 MPa(15515 psi)
Rail Pressure	958 - 1055 kPa(139 - 153 psi)
Timing	17 degrees BTDC
Governor	
Make/Model/Type	Centrifugal flyweight, integral to fuel pump
Governed engine speed range	From 850 to 2350 rev/min
Rated engine speed	2100 rev/min
High-idle speed range	2300 +/- 50 rev/min
Air Cleaner.	
Pre-cleaner	
Air intake location	Integral with air cleaner
Main Cleaner	
Make/Model/Type	Donaldson/PN 140133
Secondary element	dry element
Maintenance indicator	Donaldson/pleated paper restriction switch in air inlet tube,light on dash
Lubrication system.	
Type of feed pump	full pressure, positive displacement.
Type of filters	full flow
Number	1
Oil cooler	Heat exchanger with engine coolant
Cooling system.	
Type of coolant	Liquid
Type of pump	Centrifugal,belt driven
Fan specification	ECS P/N 411316
Number of fan blades	8
Fan diameter	711 mm (28.0 in)
Coolant system capacity	51 liter (54 qt)
Type of temperature control	thermostat

Starting system.	
Make/Model/Type	Delco Remy/42 MT400/electro-mechanical engagement
Power Rating	7.46 kW (10 hp)
Cold starting aid	Ether spray in intake manifold and in-block coolant heater
Safety device	Electrical lockout on gearshift and PTO controls
Electrical system.	
Voltage	12 Volt
Generator	
Make/Model/Type	Delco Remy/Series 21SI/Type 200
Power rating	125 Ampere at 2100 engine rpm.
Batteries	
Number & connection	3-12 V batteries in parallel
Rating	90 amp-hours per battery at 20 hour rating 625 Cold crank amps per battery
Exhaust system.	
Make/Model/Type	Donaldson/PN MAM09-M090655 expansion chamber
Location	Vertical,right front side of cab outlet directed to right side

TRANSMISSION TO WHEELS

Clutch. (travel alone)	
Make/Model/Type	FTK/wet multiple plate, oil cooled
Number of plates	16
Plate diameter	229 mm (9.0 in)
Method of operation	Hydraulic, foot pedal.
Gear Box.	
Make/Model/Type	FTK/EW16, Full Powershift
Arrangement	countershaft
Number of gears	12 forward, 3 reverse controlled by a single hand lever
Oil cooler	Heat exchanger with air
Available options	None

Rear axle and final drives.

Make/model/Type	Raba 595/outboard planetary, steerable
Differential Lock	
Type	multiple disc clutch with limited slip
Method of engagement	electrically
Method of disengagement	electrically

Front Axle and final drives.

Make/Model/Type	Raba 595/outboard planetary, steerable
Differential lock	
Type	multiple disc clutch with limited slip
Method of engagement	electrically
Method of disengagement	electrically

Total ratios and travelling speeds

Gear Number	Number of engine revolutions for one revolution of the driving wheels	Nominal travelling speed at rated engine speed of 2100 rev/min [km/h]	[mph]
Forward			
1	195.666	3.71	2.31
2	161.709	4.49	2.79
3	131.395	5.53	3.44
4	108.214	6.71	4.17
5	89.439	8.12	5.05
6	72.652	9.99	6.21
7	61.545	11.80	7.33
8	50.872	14.27	8.87
9	41.319	17.57	10.92
10	34.033	21.33	13.25
11	28.123	25.81	16.04
12	22.850	31.77	19.74
Reverse			
R1	149.634	4.85	3.01
R2	82.740	8.77	5.45
R3	47.076	15.42	9.58

Calculated with a tire dynamic radius index of 917 mm (36.1 in) (ISO 4251/1-1984)
Number of revolutions of front wheels for one revolution of rear wheels 1.000

POWER - TAKE - OFF.

Main Power-Take-Off.	
Type	Independent
Method of engagement	Hydraulically actuated multi-plate clutch operated by hand lever, independent of main drive clutch.
Number of shafts	One
Power take-off proportional to engine speed 1000 rev/min.	
Location	Rear of tractor, vertical center plane.
Diameter of shaft	44.4 mm (1.75 in)
Number of splines	20;conforms to ISO 500/1979.
Height above ground	861 mm (33.9 in)
Distance from median plane of tractor	0 mm
Distance behind rear axle	754 mm (29.7 in)
PTO Speed at rated engine spd	1001 rev/min
Engine speed at Std. PTO spd	2098 rev/min
Ratio of Engine rpm to PTO rpm	2.09797:1
Direction of rotation (viewed facing driving end)	Clockwise.

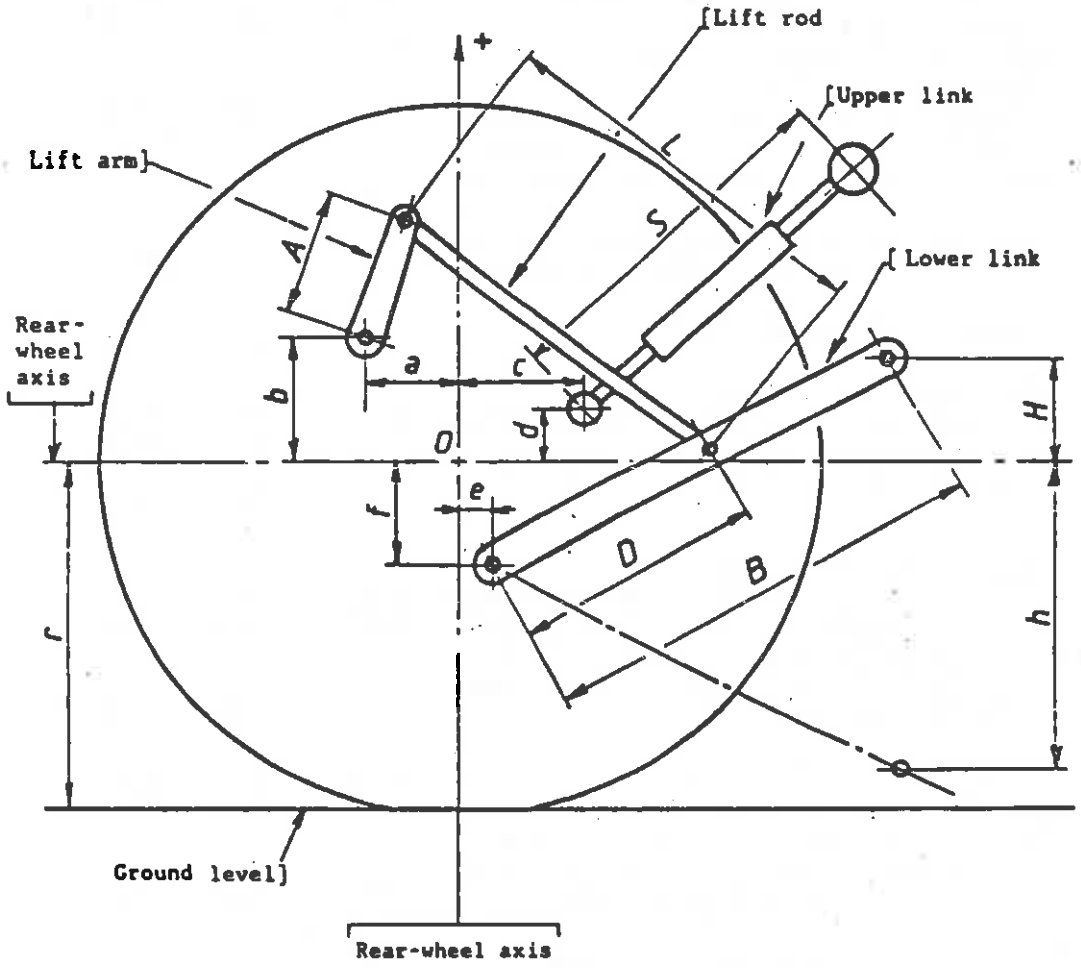
POWER LIFT.

Make/Model/Type	Cessna axial piston pump, pressure and flow compensated
Type of hydraulic system	closed center, load sensing
Number/Type of cylinders	Two external,both single acting
Type of linkage lock for transport	Hydraulic
Relief valve setting	17.237 +/-0.345 MPa (2500 +/- 50 psi)
Opening pressure of cylinder safety valve	20.684 MPa (3000 psi)
Lift pump type	axial piston, pressure and flow compensated
Power transmission to pump	direct drive
Type/Number of filters	Spin on cartridge/one
Location of oil reservoir	separate reservoir, right side,rear end of front frame
Number/Type/Location of tapping points.	4 pairs of ISO standard coup - lings at rear of tractor
Max. oil volume available for external cylinders.	22.7 l (24 qt)

THREE POINT LINKAGE.

- Category 3 in conformity with ISO 730/1-1977, except for horizontal distance from PTO to center of hitch points on the lower links while in the horizontal position - 616 mm
- Category adaptor - Quick attach

THREE POINT LINKAGE



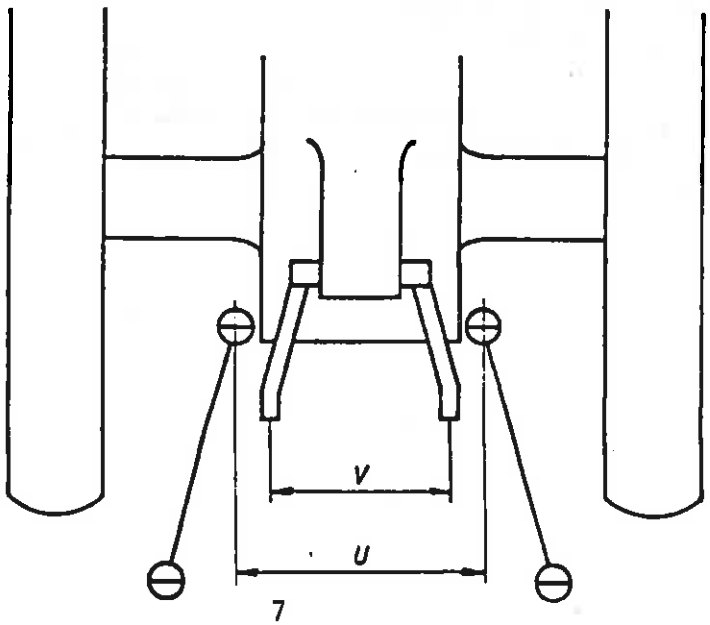


Table 1.1 - *Linkage geometry dimensions.

		Dimension or range [mm]	Dimension or range [in]	Settings used on test [mm]	Settings used on test [in]
Lift category		III			
Rear Tire - Radius Index	(r)	917	36.1		
Front Tire - Radius Index	(r')	917	36.1		
Length of lift arms	(A)	533	21.0	same	
Length of lower links	(B)	1067	42.0	same	
Distance of lift arm pivot from: horizontal	(a)	197	7.8	same	
rear wheel axis: vertical	(b)	627	24.7	same	
Horizontal distance between the 2 lower link points	(u)	627	24.7	same	
Horizontal distance between the 2 lift arm end points	(v)	719	28.3	same	
Length of upper link	(S)	722 to 848	28.4 to 33.4	744	29.3
Distance of upper link pivot from: horizontal	(c)	642 617	25.3 24.3	642	25.3
rear wheel axis: vertical	(d)	289 187	11.4 7.4	289	11.4
Distance of lower link pivot from: horizontal	(e)	322	12.7	same	
rear wheel axis: vertical	(f)	251	9.9	same	
Distance of lower link pivot points to lift rod pivot pts on lower links.	(D)	584	23.0	same	
Length of lift rods	(L)	869 to 965	34.2 to 38.0	953	37.5
Height of lower hitch points relative to rear wheel axis In low position	(h)	518 to 718	20.4 to 28.3	688	27.1
In high position	(H)	105 to 273	4.1 to 10.7	117	4.6
Height above ground of lower hitch points when locked in transport position.		1022 to 1190	40.2 to 46.9	1034	40.7

*Assuming (r) with a dynamic tire index of 917 mm (36.1 in)
ISO 4251/1-1984

SWINGING DRAWBAR.

Type	Swings for hook-up only
Height above ground:	Maximum 695 mm (27.4 in) Minimum 428 mm (16.9 in)
Adjustments	inverting drawbar
Distance of hitch point from rear wheel axis, horizontal	1230 mm (48.4 in)
Distance of hitch point from PTO shaft end	
Vertically	253 mm (10.0 in)
Horizontally	508 mm (20.0 in)
Lateral adjustment (center of clevis)	
Right hand	none
Left hand	none
Distance of pivot point from rear wheel axle;horizontally	560 mm (22.0 in)
Diameter of drawbar pin hole	46 mm (1.8 in)
Maximum vertical permissible load	56.7 kN (12750 lb)

STEERING

Make/Model/Type	Front-Eaton hydrostatic steering control unit
Method of operation	Front-hand wheel,Rear-automatic or manual (crabbed,centered) by toggle switch
Pump	Front-Cessna axial piston,pressure and flow compensated Rear-Eaton gear pump
Rams	Front-two, Rear-two
Working pressure	15.9 MPa (2300 psi)

BRAKES

Service brake.	
Make/Model/Type	Kelsey Hayes,caliper,dry disc
Method of operation	manual/hydraulic,operated by foot pedal.
Trailer braking take-off	none
Parking brake.	
Type	caliper/dry disc
Method of operation	mechanically by hand lever

WHEELS

Number.	
Front	Four; Driving and steering
Rear	Four; Driving and steering
Wheel base	3150 mm (124.0 in)

Track width adjustment

	Minimum [mm]	Minimum [in]	Maximum [mm]	Maximum [in]	Adjustment method
Front	2135	84.0	3550	139.7	reversible rims and spacers
Rear	2135	84.0	3550	139.7	same as front

PROTECTIVE STRUCTURE

Make/Model/Type	Case IH,4CSF-2
Manufacturer's name/address	Case IH 3401 First Avenue North Fargo, North Dakota
Protective device	Cab,Case IH,4CSF-2,4 post with charpy v-notch certified material
Tiltable	No
OECD approval number	CSS 076/19 for Case IHC 9260 CSS 076/20 for Steiger 9260

DRIVER'S SEAT

Make/Model/Type	Sears, P108 Air Seat
Type of suspension	air suspension
Type of damping	fore/aft and lateral
Range of adjustment	
Longitudinal	152 mm (6.0 in)
Vertical	76 mm (3.0 in)

LIGHTING.

	Height above ground of center [mm]	Height above ground of center [in]	Size [mm]	Distance from outside edge of lights to median plane of tractor. [mm]	Distance from outside edge of lights to median plane of tractor. [in]
Headlights	1885	74.2	102 x 165	419	16.5
Cab-lights(rear)	3353	132.0	90 x 140	968	38.1
(front)	3398	133.8	90 x 140	762	30.0
Rearlights	2046	80.6	102 x 165	940	37.0
Reflectors	N/A				

TEST CONDITIONS.

Overall dimensions.

Length mm	Width minimum mm	Width maximum mm	Height at top of protective structure	Height at top of exhaust silencer
6580	2661	4115	3532	3736

Ground clearance (unballasted) 402 mm (15.8 in)
Clearance-limiting part bottom of drawbar

Tractor Mass (with Cab, full fuel tank)

		Without driver [kg]	Without driver [lb]	With driver [kg]	With driver [lb]
Unballasted	Front	7174	15815	7212	15900
	Rear	6495	14320	6532	14400
	Total	13669	30135	13744	30300

Tire and track width specifications.

	Front	Rear
Make	Goodyear	Goodyear
Dimensions	20.8R42	20.8R42
Ply rating	2 star (10 ply)	2 star (10 ply)
Type	Radial	Radial
Max.load (tire manufacturer)	38.48 kN (8650 lb)	38.48 kN (8650 lb)
Max.load(tractor manufacturer)	same	same
Inflation pressure (tire mfr)	165 kPa (24 psi)	165 kPa (24 psi)
Dynamic Radius Index	917 mm (36.1 in)	917 mm (36.1 in)
Chosen track width - inner	2134 mm (84.0 in)	2134 mm (84.0 in)
- outer	3548 mm(139.7 in)	3548 mm(139.7 in)

Oils and Lubrication.

Capacity and change interval:

	Capacity liter	Capacity quart	Oil change hours	Filter change hours
Engine	34	36	250	250
Gear Box	34	36	1000	1000
Front and Rear axle	21	22	1000	---
Hydraulic system (includes steering, and hydraulic lift)	68	72	1000	1000

Specifications:

	Recommended	Used during test
Engine oil		
Type	SAE 15W40	same
Viscosity	14.8 cSt at 100'C	
Classification	API CC/CD	
Transmission oil		
Type	Case IH Hytran Plus	same
Viscosity	6.2 cSt at 100'C	
Classification	NA	
Hydraulic fluid		
Type	Case IH Hytran Plus	same
Viscosity	6.2 cSt at 100'C	
Classification	NA	
Steering oil	same as hydraulic	same
Grease	NLGI No.2 Lithium	
Number of lubrication points:	46 (includes 17 for PTO and three point hitch)	

Fuel

Type	grade 2-D,in conformity with the national standard
Density (Pto test)	0.838 g/cubic-cm (6.990 lb/gallon) at 15'C (59'F)
(Drawbar test)	Same as Pto test
Cetane number	53.9
Viscosity	2.40 cSt at 38'C (100'F)

III.TEST RESULTS

COMPULSORY TESTS RESULTS

(1) MAIN POWER TAKE-OFF

Date of tests : 18 September 1991
Location of tests : Tractor Testing Laboratory
University of Nebraska, Lincoln, Nebraska.
Type of Dynamometer: Eaton Dynamatic 2025 D.G.

Power kW (hp)	Speeds engine rev/min	Speeds PTO rev/min	Fuel Consumption hourly l/h (gal/h)	Fuel Consumption hourly kg/h (lb/h)	Fuel Consumption specific kg/kW.h (lb/hp.h)	Specific energy kW.h/l (hp.h/gal)
1.1 Maximum Power- 2 hour test.						
201.53 (270.26)	2000	953	55.26 (14.60)	46.29 (102.05)	0.230 (0.378)	3.65 (18.51)
1.2 Power at rated engine speed. (1 hour)						
198.24 (265.84)	2098	999	55.74 (14.73)	46.69 (102.93)	0.236 (0.387)	3.56 (18.05)
1.3 Maximum power at standard PTO speed.(1000 rev/min)						
198.24 (265.84)	2098	999	55.74 (14.73)	46.69 (102.93)	0.236 (0.387)	3.56 (18.05)

1.4 Part Loads - governor hand lever set for maximum power at rated engine speed

Power kW (hp)	Speeds engine rev/min	Speeds PTO rev/min	Fuel Consumption hourly l/h (gal/h)	Fuel Consumption hourly kg/h (lb/h)	Fuel Consumption specific kg/kW.h (lb/hp.h)	Specific energy kW.h/l (hp.h/gal)
(i) Torque obtained at maximum power at rated engine speed.						
198.24 (265.84)	2098	999	55.74 (14.73)	46.69 (102.93)	0.236 (0.387)	3.56 (18.05)
(ii) 85% of the torque obtained in (i)						
174.98 (234.65)	2192	1044	52.48 (13.86)	43.95 (96.90)	0.251 (0.413)	3.33 (16.93)
(iii) 75% of the torque defined in (ii)						
133.19 (178.61)	2222	1059	43.22 (11.42)	36.20 (79.80)	0.272 (0.447)	3.08 (15.65)
(iv) 50% of the torque defined in (ii)						
89.23 (119.66)	2241	1068	32.66 (8.63)	27.35 (60.30)	0.307 (0.504)	2.73 (13.87)
(v) 25% of the torque defined in (ii)						
45.22 (60.64)	2266	1080	25.18 (6.65)	21.09 (46.50)	0.466 (0.767)	1.80 (9.12)
(vi) Unloaded						
0.58 (0.78)	2301	1096	15.76 (4.16)	13.20 (29.10)	22.620 (37.186)	0.04 (0.19)

1.5 Part Loads - governor hand lever set for maximum power at standard pto speed.

Power kW (hp)	Speeds engine rev/min	Speeds PTO rev/min	Fuel Consumption hourly l/h (gal/h)	Fuel Consumption hourly kg/h (lb/h)	Fuel Consumption specific kg/kW.h (lb/hp.h)	Specific energy kW.h/l (hp.h/gal)
(i) Torque obtained at standard pto speed.						
198.24 (265.84)	2098	999	55.74 (14.73)	46.69 (102.93)	0.236 (0.387)	3.56 (18.05)
(ii) 85% of the torque obtained in (i)						
174.98 (234.65)	2192	1044	52.48 (13.86)	43.95 (96.90)	0.251 (0.413)	3.33 (16.93)
(iii) 75% of the torque defined in (ii)						
133.19 (178.61)	2222	1059	43.22 (11.42)	36.20 (79.80)	0.272 (0.447)	3.08 (15.65)
(iv) 50% of the torque defined in (ii)						
89.23 (119.66)	2241	1068	32.66 (8.63)	27.35 (60.30)	0.307 (0.504)	2.73 (13.87)
(v) 25% of the torque defined in (ii)						
45.22 (60.64)	2266	1080	25.18 (6.65)	21.09 (46.50)	0.466 (0.767)	1.80 (9.12)
(vi) Unloaded						
0.58 (0.78)	2301	1096	15.76 (4.16)	13.20 (29.10)	22.620 (37.186)	0.04 (0.19)

No-load maximum engine speed 2301 rev/min

Equivalent engine torque:

at rated engine speed	902 Nm(2100 rev/min)
at maximum power	962 Nm(2000 rev/min)
at maximum torque	1334 Nm(1296 rev/min)

Mean atmospheric conditions:

Temperature-dry bulb	24'C (75'F)
Relative humidity	31 %
Barometer -	98.99 kPa(29.23 in Hg)

Maximum temperatures:		
	Thermostat housing	93'C (199'F)
	Engine oil pan	123'C (254'F)
	Fuel to injection pump	53'C (128'F)
	Engine air intake	24'C (76'F)
	Hydraulic Oil	61'C (141'F)
Turbocharger boost pressure		
	at rated engine speed	138 kPa (20.0 psi)
	at maximum power	131 kPa (19.0 psi)

2. HYDRAULIC POWER AND LIFTING FORCE

Date of test: 23 September 1991
Location: TTL/UNL, Lincoln, Nebr.

2.1 HYDRAULIC POWER TEST - Hydraulic pump performance

i. Sustained pressure with pump stalled	17.03 MPa (2470 psi)
ii. Pump delivery rate at minimum pressure & rated engine speed	106.0 l/m (28.0 gpm)

iii.

	Flow Rate l/min (gal/min)	Pressure MPa (psi)	Power kW (hp)
At 90% of relief valve setting.	93.1 (24.6)	15.44 (2240)	24.0 (32.1)
At maximum hydraulic power.	93.1 (24.6)	15.44 (2240)	24.0 (32.1)

Tapping points	Two hydraulic outlets combined
Hydraulic fluid temperature at flow meter	65'C (148'F)

2.2 POWER LIFT TEST.

		Hitch Points	Frame
Lower hitch points above ground - down position.	[mm/in]	229/9.0	272/10.7
Vertical movement without load	[mm/in]	805/31.7	806/31.7
Vertical movement with load	[mm/in]	769/30.3	714/28.1
Maximum corrected force through full range	[kN/lbf]	53.9/12123	58.8/13212
Corresponding pressure	[kPa/psi]	15699/2277	
Moment about rear axle	[kN.m/ft.lb]	80.0/58999	123.0/90722
Maximum mast tilt angle	[degrees]	--	7.2

Lifting height relative to the horizontal position of lower links

[mm]	-424	-343	-201	-99	0
[in]	-16.7	-13.5	-7.9	-3.9	0

Corrected lifting forces.

hitch points	[kN]	53.9	56.7	60.0	63.0	65.4
	[lb]	12123	12740	13478	14166	14702
at frame	[kN]	--	74.3	63.9	64.0	63.6
	[lb]	--	16709	14355	14391	14297

Lifting height relative to the horizontal position of lower links

[mm]	99	201	300	345	371
[in]	3.9	7.9	11.8	13.6	14.6

Corrected lift forces.

hitch points	[kN]	67.6	69.6	70.6	70.8	--
	[lb]	15188	15638	15881	15912	--
at frame	[kN]	63.2	62.2	60.2	59.7	58.8
	[lb]	14211	13982	13523	13419	13212

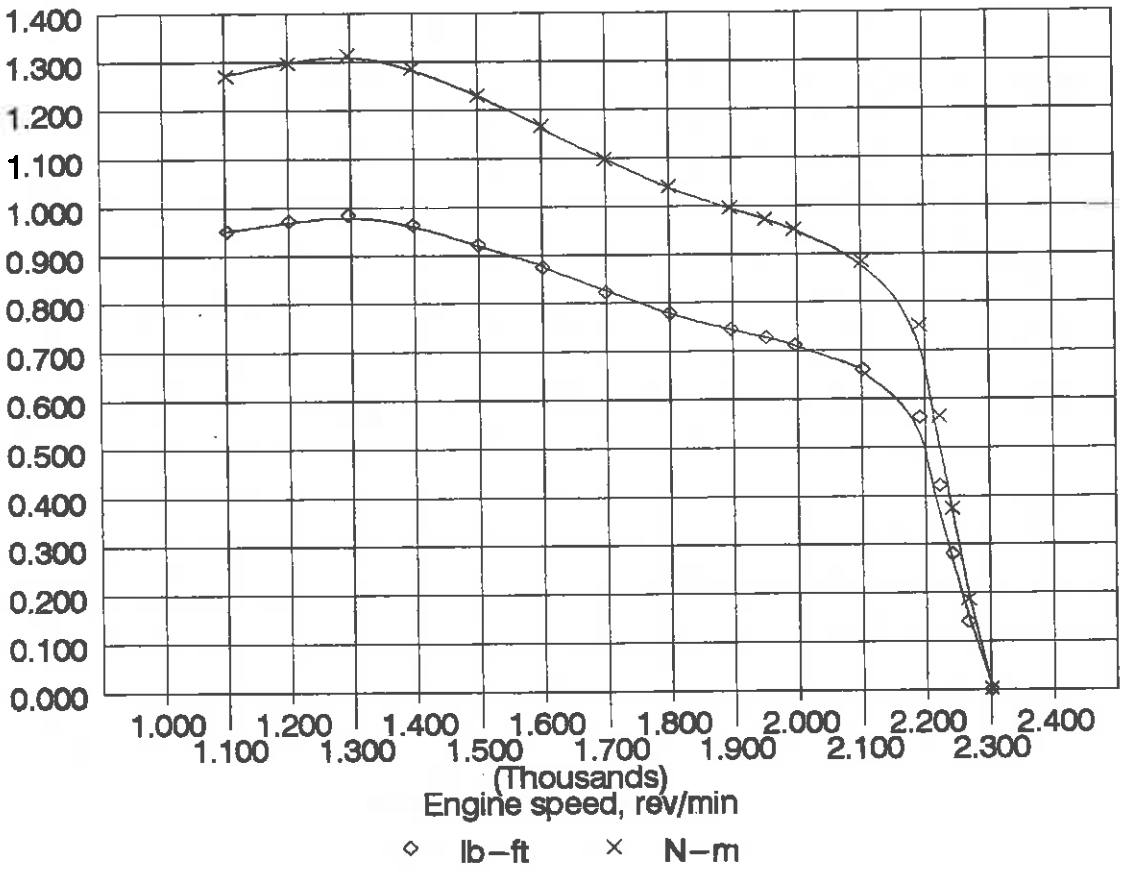
OECD Drawbar Data

Date of tests:	20–Sep–91		Fuel density:	0.838 kg/l											
			Test #	1652											
Type of track:		Concrete		Engine										Relative	Barometric
Gear	Power kW	Pull kN	Speed km/h	Speed rev/min	Slip	SFC kg/kW.h	SFE kW.h/l	Fuel	Coolant	Oil	Dry	Wet		humidity	Pressure kPa
I. Maximum Power (unballasted, 4 wheel drive at 2000 rev/min)					Tire pressure:			97 kPa, rear (inner)			97 kPa, front (inner)				
			Drawbar height:		419 mm			83 kPa, rear (outer)			83 kPa, front (outer)				
1	138.90	140.64	3.56	2200	9.43%	0.299	2.80	53	74	108	16	10		46%	99.19
2	158.37	131.45	4.34	2159	6.86%	0.293	2.86	52	76	109	17	11		47%	99.15
3	172.06	121.91	5.08	2019	5.27%	0.265	3.16	52	77	109	17	11		47%	99.15
4	177.09	102.28	6.23	2001	3.44%	0.261	3.21	53	77	109	13	8		50%	99.22
5	179.82	84.92	7.62	2006	2.54%	0.256	3.27	53	76	109	11	7		56%	99.22
6	179.50	68.78	9.40	1999	2.27%	0.255	3.28	53	77	110	13	8		50%	99.22
7	179.25	57.87	11.15	2004	2.09%	0.259	3.23	51	77	110	14	8		42%	99.22
8	176.48	47.04	13.51	2000	1.53%	0.263	3.18	52	77	108	14	9		56%	99.22
Note: Pull in 1st gear limited due to excessive tractor bounce.															
Ia. Maximum Power (unballasted, 4 wheel drive at 2100 rev/min)					Tire pressure:			97 kPa, rear (inner)			83 kPa, front (inner)				
			Drawbar height:		419 mm			97 kPa, rear (outer)			83 kPa, front (outer)				
5	176.08	79.36	7.99	2098	2.45%	0.265	3.16	53	76	110	12	8		58%	99.22
II. Part Loads (unballasted, 4 wheel drive at 2000 rev/min)					Tire pressure:			97 kPa, rear (inner)			97 kPa, front (inner)				kPa
			Drawbar height:		419 mm			83 kPa, rear (outer)			83 kPa, front (outer)				
II.1 in selected gear at maximum power															
5	179.82	84.92	7.62	2006	2.54%	0.256	3.27	53	76	109	11	7		56%	99.22
II.1.1 75% of pull at maximum power at rated speed															
5	139.81	59.70	8.43	2204	2.09%	0.293	2.86	61	77	111	19	12		43%	98.88
II.1.2 50% of pull at maximum power at rated speed															
5	95.21	39.82	8.61	2237	1.44%	0.347	2.41	62	74	106	19	12		43%	98.88
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1															
6	139.93	59.77	8.43	1790	1.99%	0.256	3.27	61	77	107	20	12		37%	98.54
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2															
6	95.10	39.76	8.61	1817	1.44%	0.279	3.00	61	73	103	20	12		37%	98.54
II.2 in selected gear nearest to 7.5 km/h															
5	179.82	84.92	7.62	2006	2.54%	0.256	3.27	53	76	109	11	7		56%	99.22
II.2.1 75% of pull at maximum power at rated speed															
5	139.81	59.70	8.43	2204	2.09%	0.293	2.86	61	77	111	19	12		43%	98.88
II.2.2 50% of pull at maximum power at rated speed															
5	95.21	39.82	8.61	2237	1.44%	0.347	2.41	62	74	106	19	12		43%	98.88
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1															
6	139.93	59.77	8.43	1790	1.99%	0.256	3.27	61	77	107	20	12		37%	98.54
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2															
6	95.10	39.76	8.61	1817	1.44%	0.279	3.00	61	73	103	20	12		37%	98.54

Date of tests:	20–Sep–91		Fuel density:	6.990 lb/gal											
			Test #	1652											
Type of track:		Concrete		Engine										Relative	Barometric
Gear	Power hp	Pull lb	Speed mph	Speed rpm	Slip	SFC lb/hp.h	SFE hp.h/gal	Fuel	Coolant	Oil	Dry	Wet		humidity	Pressure in Hg
I. Maximum Power (unballasted, 4 wheel drive at 2000 rev/min)					Tire pressure:			14 psi, rear (inner)			14 psi, front (inner)				
			Drawbar height:		16.5 in			12 psi, rear (outer)			12 psi, front (outer)				
1	186.26	31618	2.21	2200	9.43%	0.491	14.24	128	166	226	60	50		46%	29.29
2	212.38	29551	2.70	2159	6.86%	0.482	14.51	126	169	226	63	51		47%	29.28
3	230.73	27406	3.16	2019	5.27%	0.436	16.04	126	171	228	63	51		47%	29.28
4	237.48	22993	3.87	2001	3.44%	0.429	16.30	127	170	229	56	47		50%	29.30
5	241.15	19090	4.74	2006	2.54%	0.421	16.60	127	169	229	52	44		56%	29.30
6	240.71	15462	5.84	1999	2.27%	0.420	16.64	128	171	230	56	47		50%	29.30
7	240.38	13009	6.93	2004	2.09%	0.426	16.40	124	171	230	57	47		42%	29.30
8	236.66	10575	8.39	2000	1.53%	0.433	16.16	126	171	227	58	48		56%	29.30
Note: Pull in 1st gear limited due to excessive tractor bounce.															
Ia. Maximum Power (unballasted, 4 wheel drive at 2100 rev/min)					Tire pressure:			14 psi, rear (inner)			12 psi, front (inner)				
			Drawbar height:		16.5 in			14 psi, rear (outer)			12 psi, front (outer)				
5	236.13	17841	4.96	2098	2.45%	0.436	16.03	127	169	231	54	46		58%	29.30
II. Part Loads (unballasted, 4 wheel drive at 2000 rev/min)					Tire pressure:			14 psi, rear (inner)			14 psi, front (inner)				in Hg
			Drawbar height:		16.5 in			12 psi, rear (outer)			12 psi, front (outer)				
II.1 in selected gear at maximum power															
5	241.15	19090	4.74	2006	2.54%	0.421	16.60	127	169	229	52	44		56%	29.30
II.1.1 75% of pull at maximum power at rated speed															
5	187.49	13420	5.24	2204	2.09%	0.481	14.53	142	171	231	67	53		43%	29.20
II.1.2 50% of pull at maximum power at rated speed															
5	127.68	8952	5.35	2237	1.44%	0.571	12.25	144	166	223	67	53		43%	29.20
II.1.3 next higher gear at reduced engine speed, same pull and travel speed as II.1.1															
6	187.66	13437	5.24	1790	1.99%	0.421	16.59	142	171	225	68	53		37%	29.10
II.1.4 next higher gear at reduced engine speed, same pull and travel speed as II.1.2															
6	127.53	8940	5.35	1817	1.44%	0.458	15.25	142	164	218	68	53		37%	29.10
II.2 in selected gear nearest to 4.6 mph															
5	241.15	19090	4.74	2006	2.54%	0.421	16.60	127	169	229	52	44		56%	29.30
II.2.1 75% of pull at maximum power at rated speed															
5	187.49	13420	5.24	2204	2.09%	0.481	14.53	142	171	231	67	53		43%	29.20
II.2.2 50% of pull at maximum power at rated speed															
5	127.67	8952	5.35	2237	1.44%	0.571	12.25	144	166	223	67	53		43%	29.20
II.2.3 next higher gear at reduced engine speed, same pull and travel speed as II.2.1															
6	187.65	13437	5.24	1790	1.99%	0.421	16.59	142	171	225	68	53		37%	29.10
II.2.4 next higher gear at reduced engine speed, same pull and travel speed as II.2.2															
6	127.53	8940	5.35	1817	1.44%	0.458	15.25	142	164	218	68	53		37%	29.10

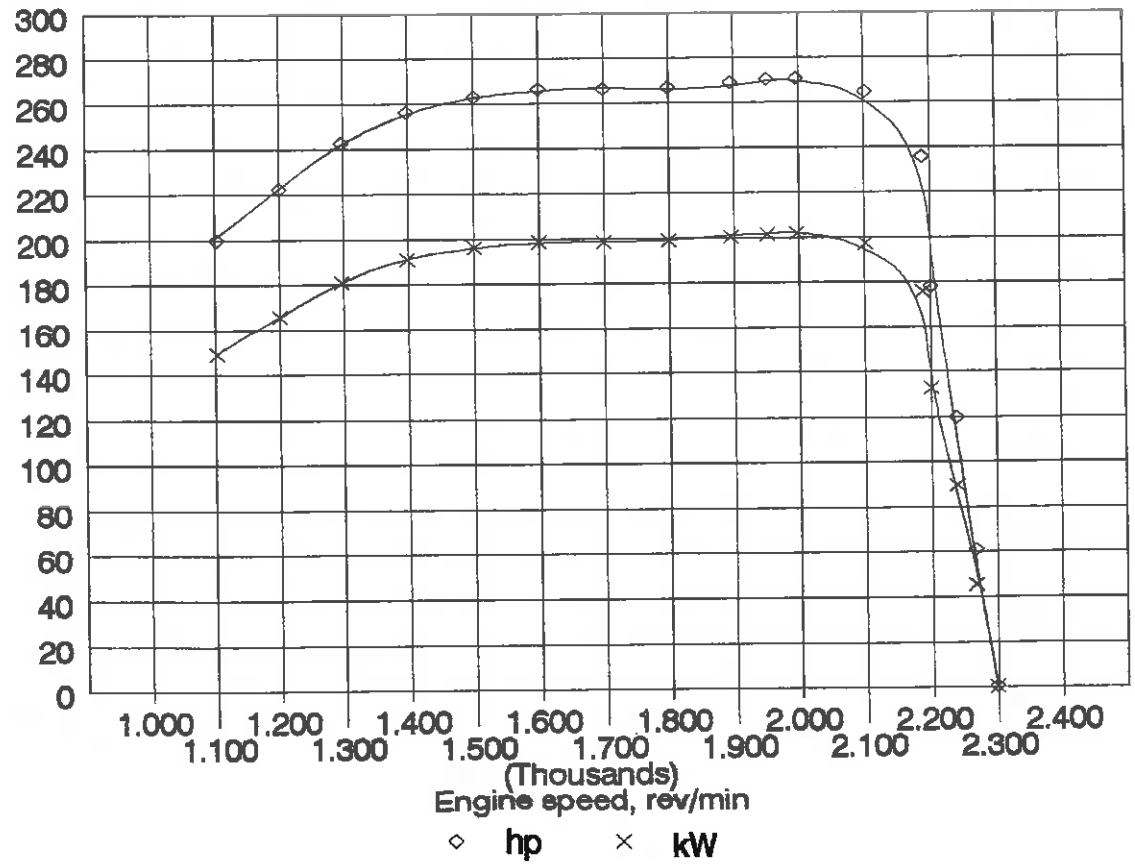
Equivalent Crankshaft Torque

Test 1652 – Case IH 9260 4WD



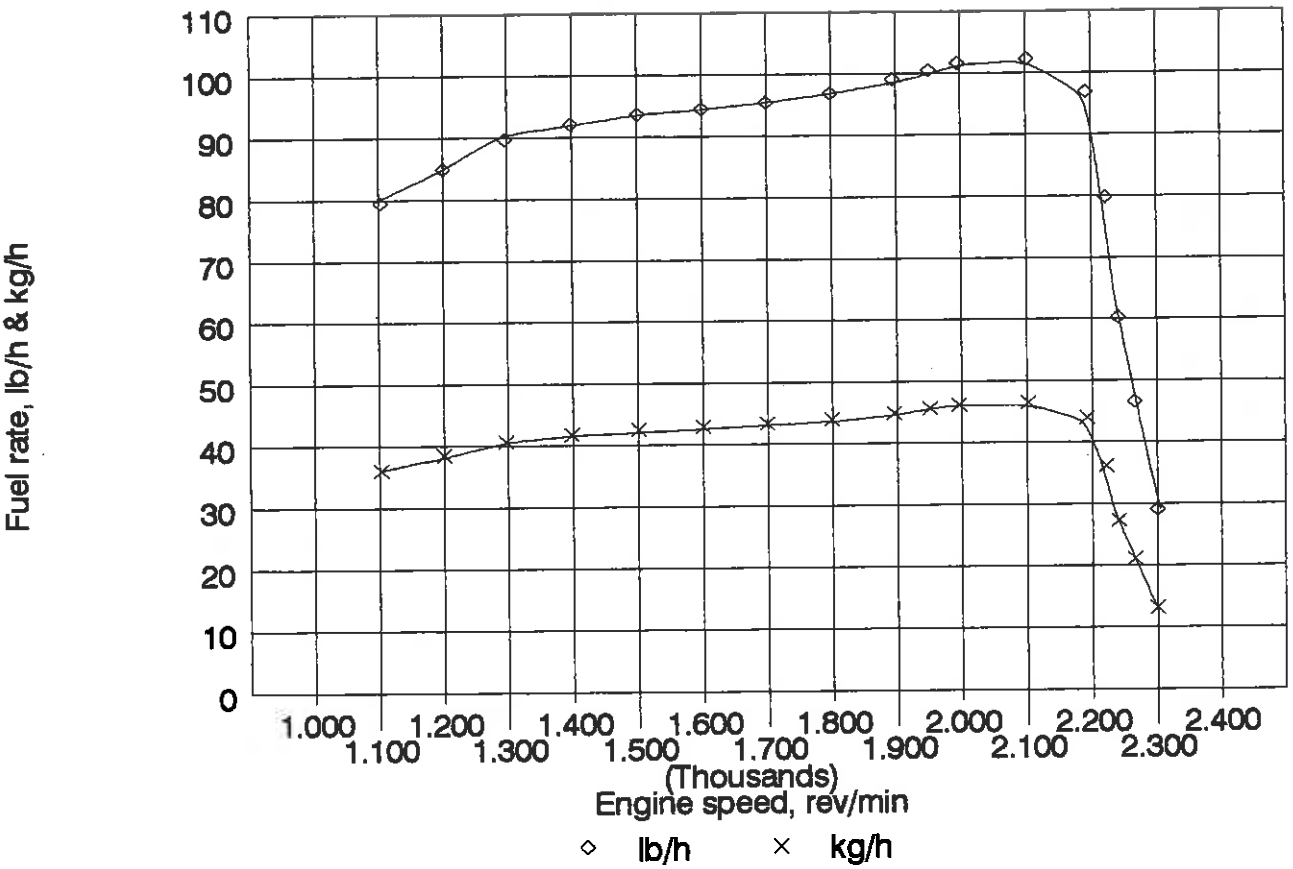
PTO Power

Test 1652 – Case IH 9260 4WD



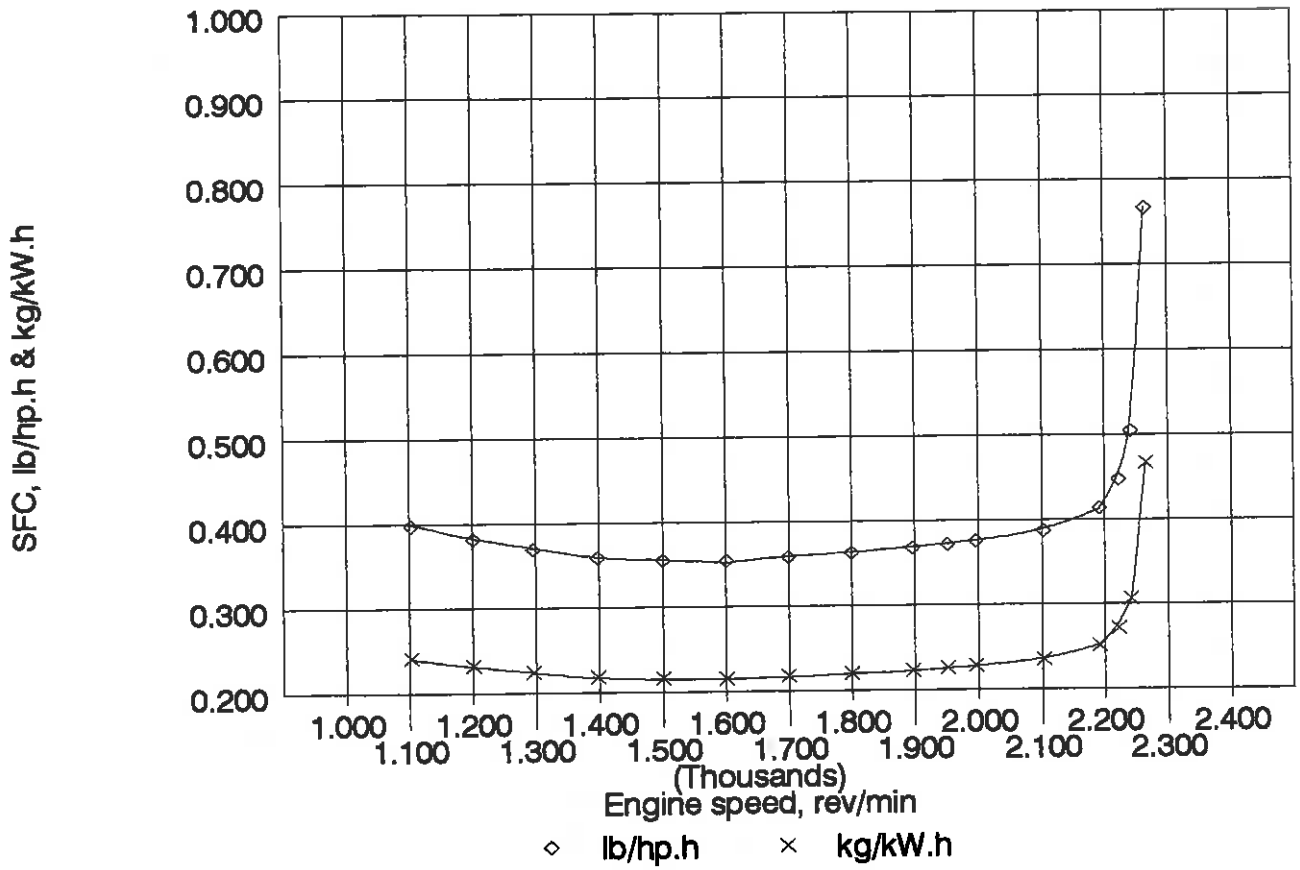
PTO Fuel Consumption

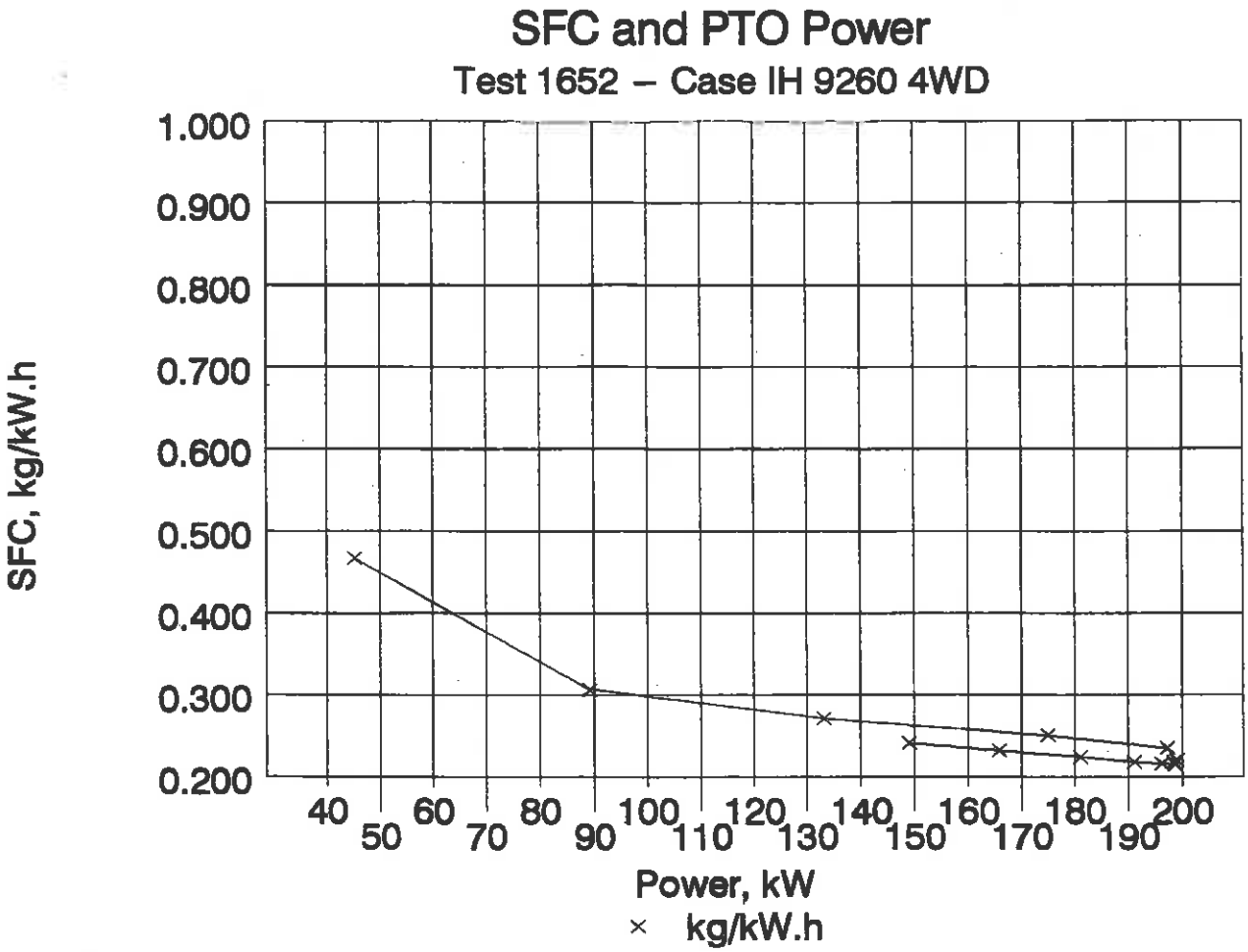
Test 1652 – Case IH 9260 4WD

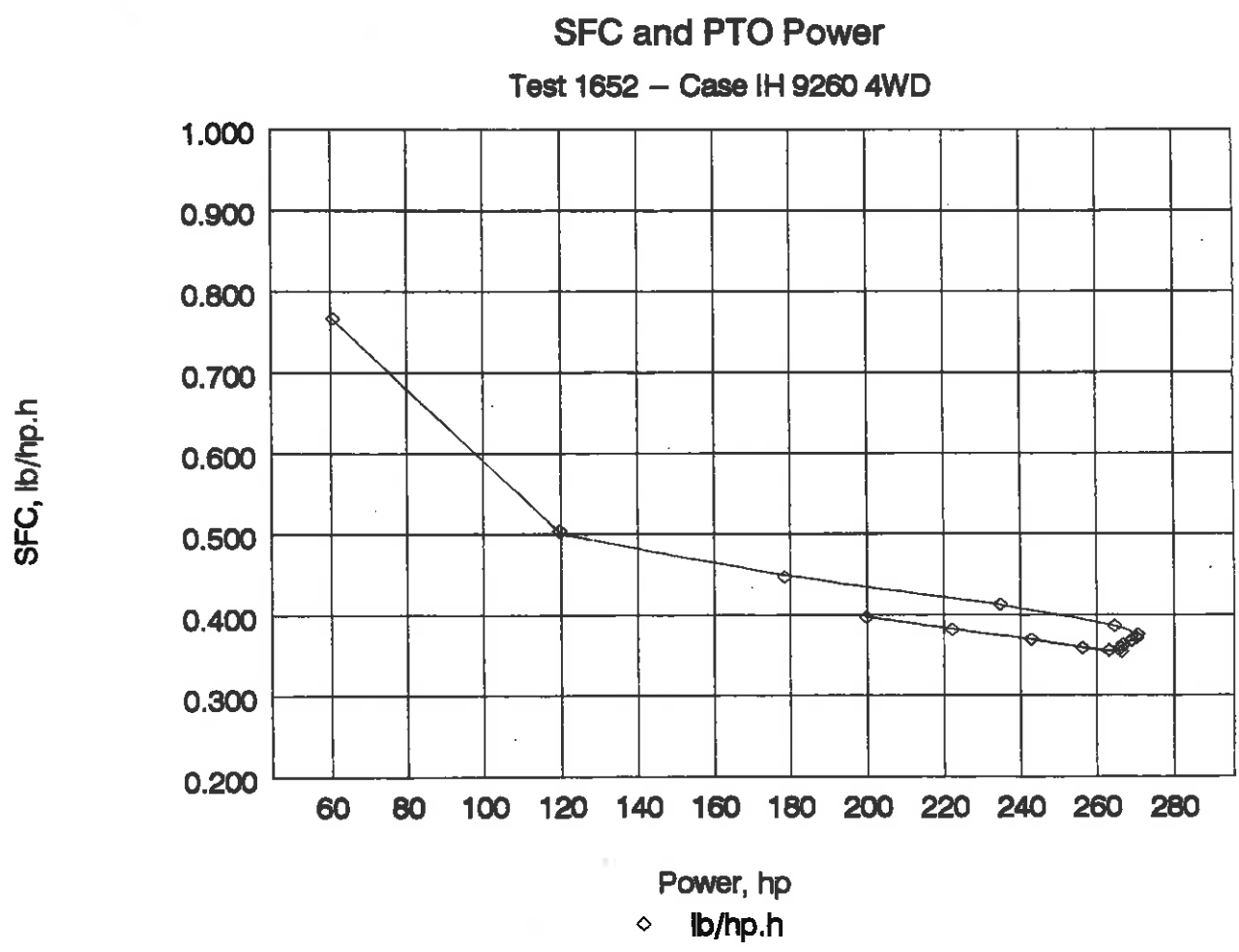


PTO Specific Fuel Consumption

Test 1652 – Case IH 9260 4WD




SFC and PTO Power
Test 1652 – Case IH 9260 4WD
SFC, kg/kW.h
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200
Power, kW
× kg/kW.h


SFC and PTO Power
Test 1652 – Case IH 9260 4WD
SFC, lb/hp.h
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
60 80 100 120 140 160 180 200 220 240 260 280
Power, hp
◇ lb/hp.h

Repairs: None
Remarks: None