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1996

Nebraska Summary: S217 White 6045

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SUMMARY OF OECD TEST 1610—NEBRASKA SUMMARY 217
WHITE 6045 DIESEL
16 SPEED

POWER TAKE-OFF PERFORMANCE

Power HP (kW)	Crank shaft speed rpm	Gal/hr *(l/h)*	lb/hp.hr *(kg/kW.h)*	Hp.hr/gal *(kW.h/l)*	Mean Atmospheric Conditions
MAXIMUM POWER AND FUEL CONSUMPTION					
Rated Engine Speed (PTO speed 612 rpm)					
45.7 *(34.1)*	2354	2.75 *(10.42)*	0.421 *(0.256)*	16.60 *(3.27)*	
Standard Power Take-off speed (540 rpm)					
44.1 *(32.9)*	2077	2.55 *(9.64)*	0.404 *(0.246)*	17.31 *(3.41)*	
VARYING POWER AND FUEL CONSUMPTION					
45.7 *(34.1)*	2354	2.75 *(10.42)*	0.421 *(0.256)*	16.60 *(3.27)*	Air temperature
39.7 *(29.6)*	2415	2.48 *(9.37)*	0.436 *(0.265)*	16.04 *(3.16)*	66°F *(19°C)*
30.0 *(22.4)*	2443	2.04 *(7.74)*	0.477 *(0.290)*	14.67 *(2.89)*	Relative humidity
20.1 *(15.0)*	2460	1.56 *(5.91)*	0.542 *(0.330)*	12.89 *(2.54)*	62%
10.2 *(7.6)*	2500	1.18 *(4.46)*	0.809 *(0.492)*	8.64 *(1.70)*	Barometer
....	2552	0.87 *(3.31)*	....	....	29.8" Hg *(101.1 kPa)*

Maximum Torque 132.1 lb.-ft. *(179.2 Nm)* at 1249 rpm
Maximum Torque Rise 29.5%
Torque rise at 1850 engine rpm 16%

DRAWBAR PERFORMANCE
FUEL CONSUMPTION CHARACTERISTICS

Power Hp *(kW)*	Drawbar pull lbs *(kN)*	Speed mph *(km/h)*	Crank-shaft speed rpm	Slip %	Fuel Consumption lb/hp.hr *(kg/kW.h)*	Fuel Consumption Hp.hr/gal *(kW.h/l)*	Temp.°F cool-ing med	(°C) Air dry bulb	Barom. inch Hg *(kPa)*
75% of Pull at Maximum Power Five Hours 10th (1 FH) Gear									
30.3 *(22.6)*	2400 *(10.67)*	4.73 *(7.62)*	2420	3	0.554 *(0.337)*	12.62 *(2.49)*	air cld	46 *(8)*	29.5 *(100.0)*
MAXIMUM POWER IN SELECTED GEARS									
7th (4NL) Gear									
32.7 *(24.4)*	5115 *(22.75)*	2.40 *(3.86)*	2397	15	0.546 *(0.332)*	12.80 *(2.52)*	air cld	41 *(5)*	29.6 *(100.2)*
8th (4NH) Gear									
36.5 *(27.2)*	4340 *(19.30)*	3.15 *(5.07)*	2350	8	0.528 *(0.321)*	13.24 *(2.61)*	air cld	41 *(5)*	29.6 *(100.1)*
9th (1FL) Gear									
38.8 *(28.9)*	4100 *(18.24)*	3.55 *(5.70)*	2350	8	0.500 *(0.304)*	14.01 *(2.76)*	air cld	41 *(5)*	29.6 *(100.2)*
10th (1FH) Gear									
39.0 *(29.1)*	3210 *(14.27)*	4.56 *(7.34)*	2350	4	0.494 *(0.301)*	14.14 *(2.79)*	air cld	43 *(6)*	29.5 *(100.0)*
11th (2FL) Gear									
38.0 *(28.3)*	2455 *(10.91)*	5.80 *(9.34)*	2351	4	0.506 *(0.308)*	13.81 *(2.72)*	air cld	41 *(5)*	29.5 *(100.0)*
12th (2FH) Gear									
37.2 *(27.7)*	1860 *(8.29)*	7.49 *(12.04)*	2350	2	0.518 *(0.315)*	13.50 *(2.66)*	air cld	43 *(6)*	29.5 *(100.0)*
13th (3FL) Gear									
34.1 *(25.4)*	1320 *(5.88)*	9.67 *(15.57)*	2350	1	0.565 *(0.343)*	12.38 *(2.44)*	air cld	43 *(6)*	29.5 *(100.0)*

TRACTOR SOUND LEVEL WITHOUT CAB	**dB(A)**
Maximum sound level - in 10th (1FH) gear	94.6
Bystander in 16th (4FH) gear	81.4

Location of Test: ISMA Via Milano 43, 24047 Treviglio BG Italy

Dates of Test: February, 1996

Manufacturer: S+L+H S.p.A. V.le F. Cassani 15, 24047 Treviglio BG Italy

FUEL OIL and TIME: Fuel No. 2 Diesel **Cetane No.** NA **Specific gravity converted to 60°/60° F *(15°/15°C)*** 0.839 **Fuel weight** 6.99 lbs/gal *(0.838 kg/l)* **Oil SAE** 30 **API service classification** SE/CD **Oil consumption for 10 hours** 0.57 lb *(260 gm)* **Transmission and hydraulic lubricant** AKROS Multi 95 fluid **Front axle lubricant** SAE 95 API GL-4

ENGINE: Make S+L+H Diesel **Type** three cylinder vertical **Serial No.** 1732 **Crankshaft** lengthwise **Rated engine speed** 2350 **Bore and stroke** 4.134" x 4.547" *(105 mm x 115.5 mm)* **Compression ratio** 17.1 to 1 **Displacement** 183 cu in *(3000 ml)* **Starting system** 12 volt **Lubrication** pressure **Air cleaner** two paper elements **Oil filter** one full flow cartridge **Oil cooler** radiator for crankcase oil **Fuel filter** one paper element **Muffler** vertical **Cooling medium temperature control** air cooled

CHASSIS: Type front wheel assist **Serial No.** 001032 **Tread width** rear 51.8" *(1315 mm)* to 55.5" *(1410 mm)* front 52.8" *(1340 mm)* to 60.6" *(1540 mm)* **Wheel base** 80.9"*(1926 mm)* **Hydraulic control system** direct engine drive **Transmission** selective gear fixed ratio **Nominal travel speeds mph *(km/h)*** first 0.70 *(1.13)* second 0.86 *(1.39)* third 1.11 *(1.78)* fourth 1.37 *(2.21)* fifth 1.76 *(2.83)* sixth 2.17 *(3.50)* seventh 2.78 *(4.48)* eighth 3.45 *(5.56)* ninth 3.85 *(6.20)* tenth 4.77 *(7.68)* eleventh 6.10 *(9.82)* twelfth 7.58 *(12.20)* thirteenth 9.75 *(15.69)* fourteenth 12.08 *(19.44)* fifteenth 15.47 *(24.89)* sixteenth 19.01 *(30.60)* reverse 0.82 *(1.32)*, 1.30 *(2.10)*, 2.07 *(3.33)*, 3.27 *(5.26)*, 4.53 *(7.29)*, 7.20 *(11.59)*, 11.48 *(18.48)*, 18.12 *(29.17)* **Clutch** single dry disc operated by foot pedal **Brakes** wet multiple disc hydraulically operated by two foot pedals which can be locked together **Steering** hydrostatic **Power take-off** 540 rpm at 2077 engine rpm **Unladen tractor mass** 4885 lb *(2215 kg)*

REPAIRS AND ADJUSTMENTS: No repairs or adjustments

CENTER OF GRAVITY

Horizontal distance forward from centerline of rear wheels	33.1 in *(841 mm)*
Vertical distance above roadway	30.5 in *(774 mm)*
Horizontal distance from center of rear wheel tread	0.2 in *(6 mm)* to the left

TURNING ON A CONCRETE SURFACE

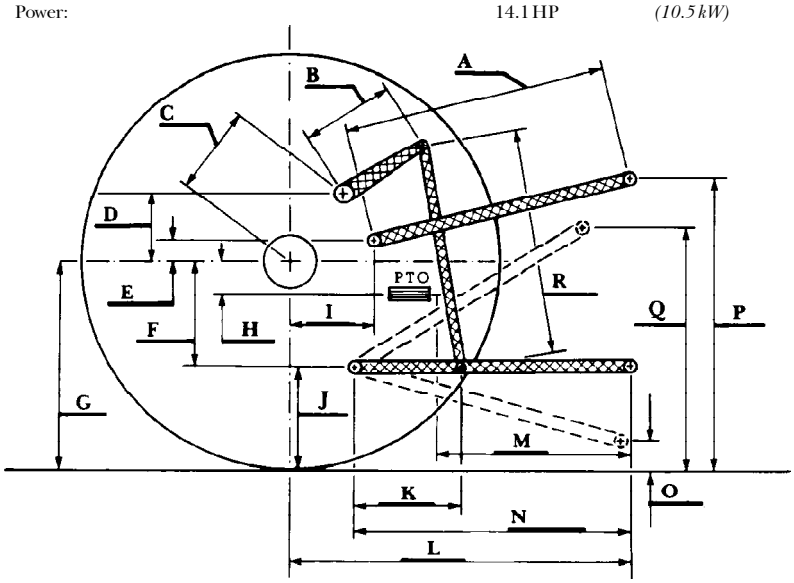
Turning radius - with brake applied	right 134" *(3.40 m)* left 140" *(3.56 m)*
- without brake	right 150" *(3.80 m)* left 159" *(4.03 m)*
Turning space radius - with brake applied	right 138" *(3.51 m)* left 144" *(3.67 m)*
- without brake	right 154" *(3.91 m)* left 162" *(4.14 m)*

TIRES, BALLAST AND WEIGHT		With Ballast	Without Ballast
Rear Tires	- No., size, ply & psi *(kPa)*	Two 14.9R28; 6;23 *(160)*	Two 14.9R28; 6;23 *(160)*
Ballast	- Liquid (total)	None	None
	- Cast iron (total)	340 lb *(155 kg)*	None
Front Tires	- No., size, ply & psi *(kPa)*	Two 11.2R20; 6;23 *(160)*	Two 11.2R20; 6;23 *(160)*
Ballast	- Liquid (total)	None	None
	- Cast Iron (total)	330 lb *(150 kg)*	None
Height of Drawbar		17.8 in *(451 mm)*	17.9 in *(455 mm)*
Static Weight with Operator	--Rear	3165 lb *(1435 kg)*	2845 lb *(1290 kg)*
	--Front	2555 lb *(1160 kg)*	2205 lb *(1000 kg)*
	--Total	5720 lb *(2595 kg)*	5050 lb *(2290 kg)*

THREE POINT HITCH PERFORMANCE (OECD Static Test)

CATEGORY: II
Quick Attach: None

Maximum Force Exerted Through Whole Range:	3830 lbs	*(17.0 kN)*
i) Opening pressure of relief valve:	NA	
Sustained pressure with relief valve open:	2610 psi	*(180 bar)*
ii) Pump delivery rate at minimum pressure and rated engine speed:	12.5 GPM	*(47.4 l/min)*
iii) Pump delivery rate at maximum hydraulic power:	11.1 GPM	*(42.0 l/min)*
Delivery pressure:	2180 psi	*(150 bar)*
Power:	14.1 HP	*(10.5 kW)*



HITCH DIMENSIONS AS TESTED NO LOAD

	inch	*mm*
A	23.3	*593*
B	9.8	*250*
C	14.2	*361*
D	12.4	*315*
E	13.2	*335*
F	6.1	*154*
G	25.2	*640*
*H	1.2	*30*
I	15.4	*390*
J	19.1	*486*
K	15.7	*400*
L	38.7	*983*
M	21.4	*543*
N	31.5	*800*
O	7.9	*200*
P	43.1	*1096*
Q	35.8	*910*
R	23.2	*590*

* PTO is above rear axle

REMARKS: All test results were determined from observed data obtained in accordance with official OECD test procedures. The performance results on this summary were taken from OECD tests conducted under the Code I Standard Test Code procedure.

We, the undersigned, certify that this is a true summary of data from OECD Report No. **1610**, Nebraska Summary 217, September 23, 1998.

LEONARD L. BASHFORD
Director

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