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MANUAL PREVIEW

White
Operator's Manual
4-180

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INTRODUCTION

This Operator's Manual is presented to furnish you with necessary information for operating and maintaining your tractor. Its primary purpose is to assist you in lubricating and adjusting the tractor for daily and seasonal operation. We especially wish to call your attention to the many safety slogans listed in this manual. Although your tractor is designed with the safety of operation in mind, possibilities of accidents cannot be completely eliminated until you understand and practice all safety precautions.

Timely service saves costly repairs and valuable time lost because of breakdowns. Whenever it becomes necessary to make REPAIRS or REPLACEMENTS on your tractor, be sure to insist on GENUINE WHITE FARM EQUIPMENT COMPANY PARTS. These parts are designed specifically for your tractor under controlled specifications to give satisfaction and long lasting service to which you are entitled. YOUR DEALER CAN SUPPLY YOU WITH PARTS YOU REQUIRE. For additional information consult your dealer.

NOTE: THIS TRACTOR IS NOT DESIGNED FOR FRONT MOUNTED EQUIPMENT SUCH AS LOADERS, DOZERS, TOOL BARS, CULTIVATORS, SPRAYER TANKS OR OTHER FRONT MOUNTED EQUIPMENT.

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REPLACES FORM NO. 432 414A

SPECIFICATIONS

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SECTION I SPECIFICATIONS

ENGINE

Number of Cylinders	8
Firing Order	1-2-7-3-4-5-6-8
Bore	4.5" (11.43 cm)
Stroke	5" (12.7 cm)
Piston Displacement	636 cu. in (10.4 liters)
Compression Ratio	16.5:1
Engine Speed (rpm)	
Idle Speed (Minimum)	800
Rated Speed	2770-2830
High No-Load Speed	2940-3000
Timing	
Static (BTDC)	16°
Nozzle Opening Pressure	
New	2825 psi $\pm$ 75 (198.60 kg/cm ² $\pm$ 5.27 kg/cm ²)
Used	2650 psi $\pm$ 250 (186.30 kg/cm ² $\pm$ 17.58 kg/cm ²)
Engine Operating Temperature	175 to 210° F. (79.4 to 98.9° C)
Valve Clearance Adjustment (cold)	
Intake	0.015" (0.381 mm)
Exhaust	0.025" (0.635 mm)
Normal Engine Oil Pressure	53-71 psi (3.73-4.99 kg/cm ²)
PTO Horsepower	180 (134.2 KW)
Engine Horsepower	210 (156.6 KW)

ENGINE OIL

Air Temperature	SAE Grade	Classification
Below +10° F. (-12° C)	10-10W or 10W-30	API Service CD
+10° to +32° F. (-12° C to 0° C)	10W-30	API Service CD
+32° to +90° F. (0° C to 32° C)	30 or 10W-30	API Service CD
Above +90° F. (32° C)	40	API Service CD

Reduce oil change interval by one-half (50 hours) when using fuel having sulphur content of 1% or more.

SPECIFICATIONS

TRAVEL SPEEDS @ 2800 RPM (with 18.4-38 tires)

	LOW		HIGH	
	MPH	KMH	MPH	KMH
First	1.9	3.06	2.4	3.86
Second	3.7	5.95	4.5	7.24
Third	4.7	7.56	5.7	9.17
Fourth	6.5	10.46	7.8	12.55
Fifth	8.9	14.32	10.7	17.22
Sixth	15.7	25.26	18.9	30.41
Low Reverse	2.4	3.86	2.8	4.5
High Reverse	5.7	9.17	6.9	11.10

DRAWBAR ADJUSTMENT AT HITCH POINT – INCHES (Centimeters)

Regular Drawbar	
Horizontal (at maximum length)	26-1/4 (66.68)
Length	3 (7.62)
Wide Swinging Drawbar	
Horizontal	37-1/2 (95.25)
Length	2 (5.08)

TIRE INFLATION AND LOAD RECOMMENDATIONS

Tire Size	Ply	Tread	PSI	Load @ Specified Tire Pressure		
				Load (lbs.)	Kg/cm ²	Load (kg.)
18.4-38	8	R1	20	5990	1.4	2717
18.4-38	8	R2	20	5990	1.4	2717
23.1-34	8	R1	16	7110	1.1	3225
23.1-34	8	R2	16	7110	1.1	3225
24.5-32	10	R1	20	8700	1.4	3946
24.5-32	10	R2	20	8700	1.4	3946

NOTE: Front tire pressures may be increased 3-5 lbs. (0.2 - 0.3 kg/cm²) more than rear tire pressures to avoid bouncing or rocking action when traveling at high speeds. Do not, however, exceed maximum tire pressure.

IGNITION AND ELECTRICAL

Alternator		61 amp
Battery		
Number		2 (12 volt)
Capacity		95 ampere hr. (each)
AABM/BCI Group No.		30H
Fuses		
Tractor		
Lights		20 ampere
Instruments		10 ampere
Cab		
Blower Motors		30 ampere
A/C Clutch		6 ampere
Dome Light		6 ampere
Lights		
Flood and Head Lamp (2 Beam)	Size 40 watt	Part Number 30-306 8242
Auxiliary Front Flood Lamp	35 watt	30-316 9898
Combination Rear Flood and Tail Lamp		10P2646
Flood Lamp	35 watt	
Tail Lamp	15 CP	
Warning Light/Turn Signal	32 CP	164 178A
Instrument Background and Indicator Lamps	2 CP	
Instrument Light Lamp		101 699A
Indicator Lamp		20-700 0527
Turn Signal Indicator Lamp		30-313 2846