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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 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. Use of other than GENUINE WHITE FARM EQUIPMENT COMPANY PARTS may jeopardize normal warranty. For additional information consult your dealer.

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REPLACES FORM NO. 432 446

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	2960-3060
Timing	
Static (BTDC)	16°
Nozzle Opening Pressure	
New	2750 - 2900 psi (18,790 - 20,000 kPa)
Used	2400 - 2900 psi (16,550 - 20,000 kPa)
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 (366 - 490 kPa)
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° to 0° C.)	10W-30	API Service CD
+32° to +90° F. (0° 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.

* SAE 40 is preferred for sustained operation above 90° F (32° C).

SPECIFICATIONS

POWER TAKE-OFF

Shaft Speed at Engine Speed of 2800 rpm	1000 rpm
Shaft Rotation	Clockwise
Shaft Size	1-3/4 in (4.4 cm)
Length of Spline	3-1/2 in (8.9 cm)
Number of Splines	20

DRAWBAR ADJUSTMENT AT HITCH POINT

Regular Drawbar (Used With Three-Point Hitch)

Vertical Height Variation	4 in (10.2 cm)
Horizontal Variation	23-1/8 in (58.7 cm)
Length Variation	4-5/8 in (11.7 cm)

Wide Swinging Drawbar (Clevis Type)

Vertical Height Variation	8 in (20.3 cm)
Horizontal Variation	37-1/2 in (95.2 cm)
Length Variation	5 in (12.7 cm)

4WD TIRE RECOMMENDATIONS

It is important that ground speed of front tires matches that of rear tires when front axle is engaged. Excessive tire wear, reduced economy and loss of useful horsepower will result if tire recommendations are mismatched. When replacing tires, consult dealer for proper size tires which will either best match loaded radius of worn tires on tractor or which will best match a new tire size which application requires.

Tire Size	Ply	Tread	Load @ Specified Tire Pressure	
			PSI (kPa)	Load-lbs (kg)
16.9 - 26	8	R1	24 (166)	4640 (2105)
18.4 - 26	8	R1	20 (138)	5000 (2270)

Front Tire Size

16.9 - 26
18.4 - 26

Recommended Rear Tire Sizes

18.4-38 or 23.1-34
20.8-38, 30.5-32, or 18.4-42

Tread and Load Limitations

Rated tread width is 80" (203 cm); maximum weight capacity at 80" (203 cm) is 10,000 lbs. (4540 kg). Maximum recommended tread width is 93" (236 cm). Maximum weight capacity at 93" (236 cm) is 7,600 lbs. (3,450 kg).

DO NOT EXCEED TIRE RATINGS.