




**OPERATING INSTRUCTIONS
FOR THE
PTO-170 AND PTO-170-23 SPLIT SHAFT POWER TAKE-OFF**

**465-0284
REVISION C**

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	151 Lawrence Drive Livermore, CA 64551 Phone: 925-454-9500 Fax: 925-454-9501	BY: S.R.	DRAWING OR PART NUMBER 465-0284	REV.
		DATE: 7/30/99		C

OPERATING INSTRUCTIONS

PTO-170, PTO-170-23 SPLIT SHAFT POWER TAKE-OFF

1. PTO Identification

Each PTO is identified by model, part number, and serial number. This identity is included on a name plate affixed to the housing rear view, left-hand side, next to the intermediate breather cap. Use this identity when discussing installation and/or service and parts issues.

2. Recommended Lubricants

SAE 50 heavy-duty engine oil for temperatures above 10° F

SAE 30 heavy-duty engine oil for temperatures below 10° F

SAE 90 mineral gear oil for temperatures above 10° F

SAE 80 mineral gear oil for temperatures below 10° F

SAW 80W-90 mineral gear oil for all temperatures


SAE 50 synthetic oil for all temperatures

3. Oil Filling

It is recommended to fill the oil when the unit has been installed into the vehicle. Fill the unit with the appropriate oil with the vehicle on level ground. Fill unit with 10 quarts of oil through the oil suction line regardless of whether an oil cooler is installed or not. Run the unit first in PTO mode for 5-10 minutes at 2100 RPM and check to make sure the oil pump is primed and oil is flowing through the cooler return line by disconnecting it and ensuring oil flows out. Recheck oil level.

4. Oil Change

The lubricant should be changed on all new units after the first 3,000 to 5,000 miles or the first 40 hours of operation. Thereafter, oil changes should be performed at 10,000 to 15,000 miles of 500 to 750 hours of operation.

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5. Oil Cooler Usage

An oil cooler is recommended with 350 to 399 horsepower engines. An oil cooler is mandatory with 400 horsepower engines and above. When the average operating temperature of the unit is above 250° F the unit can require more frequent oil changes or external cooling. A temperature gauge or warning light alarm can monitor operating temperature.

The following conditions in any combination can cause operating temperatures above 250° F:

- A. Operating consistently at low speed
- B. High ambient temperatures
- C. Restricted air flow around unit
- D. High horsepower
- E. Overdrive operation
- F. Continuous stationary operation


6. Shifting Instructions

The unit must be stopped to shift modes

- A. Stop vehicle.
- B. Shift transmission into neutral.
- C. Shift PTO-170 into roading or PTO mode.
- D. If vehicle is equipped with automatic transmission, engage transmission reverse.
- E. Shift transmission into desired gear.
- F. Resume operation.

7. For any other questions, contact Fabco Automotive Corporation, Customer Service

Department at 1-800-967-8838.

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