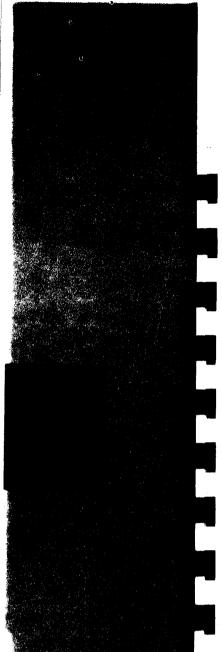
Model No.: PMR-42000-1

Serial No.: 5w01-002



INTRODUCTION

Before using this manual, we recommend you double check that the model number and serial number on your grapple and/or rotation assembly are identical to the numbers listed below.

This parts and maintenance manual was prepared to help you get acquainted with your new Rotobec unit. We strongly recommend that you look through your manual and keep it with your machine for future reference.

It is designed to:

- Provide necessary information for installation, maintenance and instructions for ordering replacement parts.
- Assist in troubleshooting.
- Provide warranty information and registration certificate.

Model No.:	PMR-42000-1	
Serial No.:	5W01-002	

Your Rotobec unit was built to maintain a high degree of efficiency at all times. In order to preserve this quality, it is important to establish a good maintenance program, (see the maintenance section of this manual). Ask your dealer or your representative to explain the operating functions and the maintenance procedures.

PARTS ORDERING INSTRUCTIONS

When ordering parts, mention part name and part number. Always specify your model number, serial number and give specific shipping instructions.

Please note that the accuracy of the illustrations has been set aside in order to group different models on the same page.



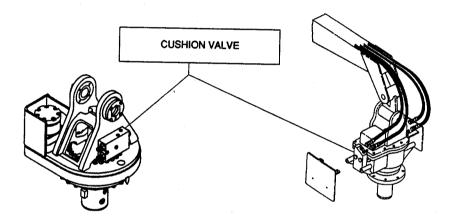
INSTALLATION INSTRUCTIONS ON THE LOADER FOR ROTOBEC ROTATION SYSTEMS BUILT SINCE JULY 1986

9150. 24000. 25000. 26000 and 40000 Models , 42000

To assure proper protection of your rotation system, the hydraulic pressure and the oil flow from the control valve going towards the cushion valve should be respectively of 1500 PSI or less (recommended pressure 1200 PSI) and 25 GPM or less for all models except for the 40000 rotation which should be 40 GPM or less.

On the other hand, from the rotation system going towards the control valve, the oil flow should be as free as possible.

If your loader fits all of the above requirements, a ROTOBEC rotation system can be installed without any modification. However if this is not the case, it is usually easy to remedy. (See next page for instructions)





INSTALLATION INSTRUCTIONS ON THE LOADER FOR ROTOBEC ROTATION SYSTEMS

3250, 3500, 5400, 9150,

24000, 25000, 26000 AND 40000 MODELS 42000

Example I: For exceeding pressure:

On some loaders, relief valves are provided. It is then fairly easy to reduce the pressure by adjusting

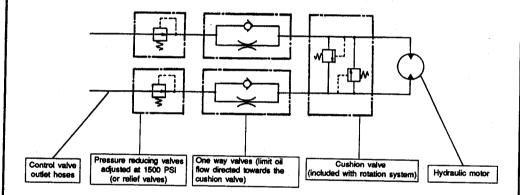
On the loaders which are not equipped with such valves, it is possible to install some at the control valve outlets. In most cases, GRESEN WJL valves with 1500 PSI cartridge or a pressure reducing valve will correct the pressure problem.

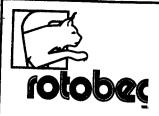
Example II: For exceding oil flow:

The addition of one way valves will reduce the oil flow going from the control valve towards the cushion valve. They should be installed as shown below. We recommend GRESEN LT50 one way valves or equivalent.

NOTE: - For models 3250, 3500 and 5400 one way valves are included with the rotation system.

- For model 9150, 1/8" bored.
- For model 24000, 5/32" bored.
- For model 25000, 5/32" bored. For model 26000, 7/32" bored.
- For model 40000, 1/4" bored.





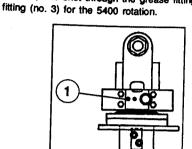
MAINTENANCE INSTRUCTIONS FOR ROTOBEC ROTATION SYSTEMS

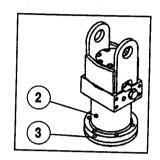
3250, 3500, 5400, 9150,

24000, 25000, 26000 AND 40000 MODELS

3250, 3500 and 5400 Models

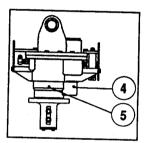
42000 One shot of pressure gun every 200 hours of operation through the grease fitting (no. 1) for the 3250 rotation, one shot through the grease fitting (no. 2) for the 3500 rotation and one shot through the grease





9150 Model

Greasing of the rotation system's bearings: We recommend one shot of pressure gun in each of the two grease fittings (no.4 and no.5) after every 100 hours of operation. Type of lubricant to use: Extreme pressure grease Shell Darina E.P.2, Shell Alvania E.P.2 or equivalent.



24000, 25000, 26000 and 40000 Models Periodic internal and external greasing of the slewing ring

of your rotation system is impotant. Internal: Line up the position pointers (no.7) then apply

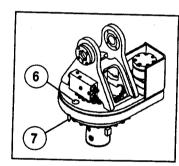
three shots of a pressure gun in each of the two grease fittings through the opening (no.6) provided for this procedure. Repeat after every 50 hours of operation.

Type of lubricant: Extreme pressure grease Shell Darina E.P.2, Shell Alvania E.P.2 or

equivalent.

External: Spray-grease the ring gear teeth after each 12 hours of operation.

Type of lubricant: Use Shell open gear lubricant (spray can) or equivalent.





P. O. Box 665, Littleton, New Hampshire 03561 (603) 444-2103

ATTENTION DEALER!

customer at a later date. important information that we feel will aid both you and your Enclosed in this packet you will find some very

Warranty Instructions Grapple Manual Return Goods Policy

user, and return it immediately to avoid warranty denial. the warranty card on the back cover, on behalf of the end problems at a later date. More importantly, please fill out prior to installation/hook up. This may very well prevent It is very important that you look through the grapple manual



MAINTENANCE INSTRUCTIONS FOR ALL ROTOBEC GRAPPLE MODELS

Grapple lubrication chart

We suggest that the following parts be greased with a pressure gun after every 12 hour period of use. (see note)

- · Grapple jaws pivots and/or Grapple head pivots
- Cylinder tubing pivot
- Cylinder rod pivot

We recommend extreme pressure grease: SHELL DARINA E.P.2, SHELL ALVANIA E.P.2 or equivalent.

Note: If the working environment contains a high percentage of dirt and/or humidity, the lubrication period must be shortened.

