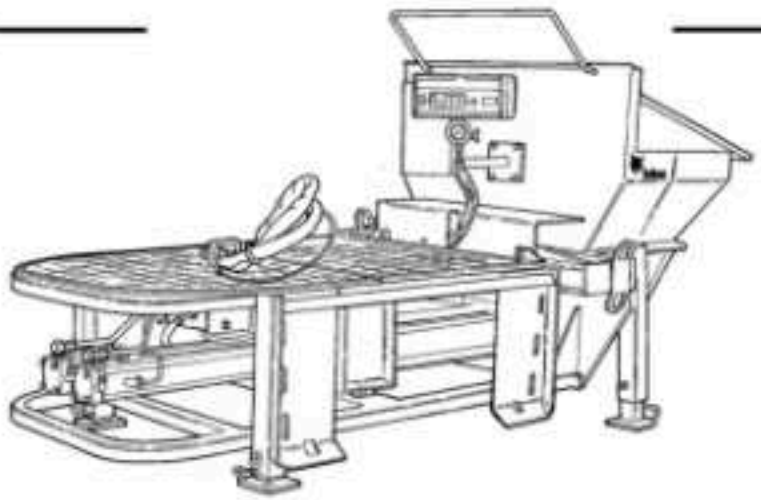
Concrete Pump

Used With Remote Attachment Control

Bobcat®

Operation & Maintenance Manual

S/N 233100101 & Above



An Ingersoll-Rand business

6901059 (11-01) Revised (6-05)

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REFERENCE INFORMATION

Write the correct information for YOUR Concrete Pump in the spaces below. Always use these numbers when referring to your Bobcat Concrete Pump.

Bobcat Concrete Pump
Serial Number _____

NOTES _____

YOUR BOBCAT® DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
Belgium

FOREWORD

SAFETY

OPERATING INSTRUCTIONS

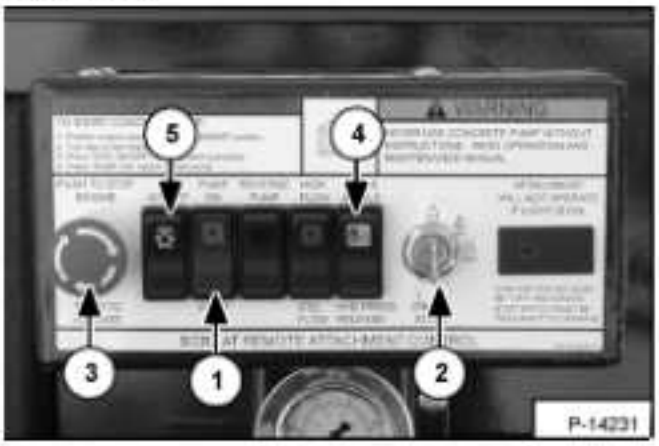
PREVENTIVE MAINTENANCE

SPECIFICATIONS

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Stopping The Concrete Pump

Figure OI-52



Push the bottom of the PUMP ON/PUMP OFF switch (Item 1) **[Figure OI-52]** or push the top of the HYD ON/OFF switch (Item 5) **[Figure OI-52]** to stop the loader auxiliary hydraulics.

⚠ WARNING

AVOID INJURY OR DEATH

Before cleaning, servicing or inspecting the Concrete Pump, stop the loader engine and disconnect the hydraulic hoses and electrical harnesses from the loader.

W-2366-0500

Stop the loader engine by turning the RAC key (Item 2) **[Figure OI-52]** counterclockwise to the OFF position, or press the engine stop switch (Item 3) **[Figure OI-52]**.

NOTE: On loaders equipped with the rear pivot seat bar, push and hold the top of the Hydraulic Pressure Release switch (Item 4) [Figure OI-52]. The loader engine will stop and relieve hydraulic pressure in the auxiliary hydraulic system.

IMPORTANT

If the engine stop switch is used to stop the loader engine, turn the key switch to the OFF position. If the Remote Attachment Control key switch is left in the ON position, there will be a constant current draw on the battery resulting in a weak or discharged battery.

I-2188-0998

Turn the RAC key (Item 2) **[Figure OI-52]** to the OFF position. Turn the engine stop switch (Item 3) **[Figure OI-52]** clockwise to the release position.

⚠ WARNING

Before you leave the operator's seat:

- **Lower the lift arms, put the attachment flat on the ground.**
- **Stop the engine.**
- **Engage the parking brake.**
- **Raise seat bar.**
- **(Foot Pedal Controls) Move pedals until both lock.**
- **(Mechanical Hand Controls) Move the hand controls until both lock. The seat bar system must lock the lift and tilt controls in neutral when the seat bar is up. Service the system if hand controls do not lock correctly.**
- **(Advanced Hand Controls) Move the hand controls to the NEUTRAL POSITION to make sure that both lift and tilt functions are deactivated. The seat bar system must deactivate the lift and tilt control functions when the seat bar is up. Service the system if hand controls do not deactivate.**

W-2323-0698

Concrete Pump Operation

IMPORTANT

The operator should always stay within 10 feet of the RAC to monitor attachment operation.

I-2202-0500

Start the loader and engage the Concrete Pump. (See Starting The Concrete Pump on page OI-19.)

Begin pumping slowly.

A second operator should walk along the delivery system as the concrete begins pumping to listen to the flow. If a plug develops, you should be able to hear where it occurs.

⚠ WARNING

AVOID INJURY OR DEATH

Keep away from the discharge end of the delivery system when concrete is pumping. Always maintain control of the discharge end of the delivery system.

W-2367-0500

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LUBRICATION AND INSPECTION

Always use a good quality lithium base grease when lubricating the Concrete Pump. Apply the lubricant until extra grease shows.

IMPORTANT

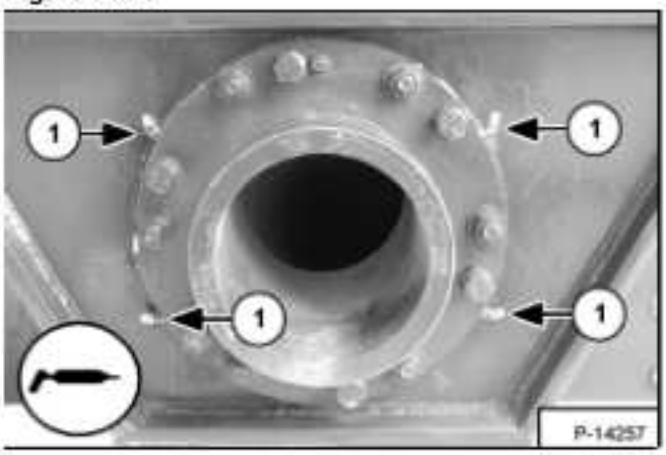
Fluid such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

I-2067-0499

Lubrication Points

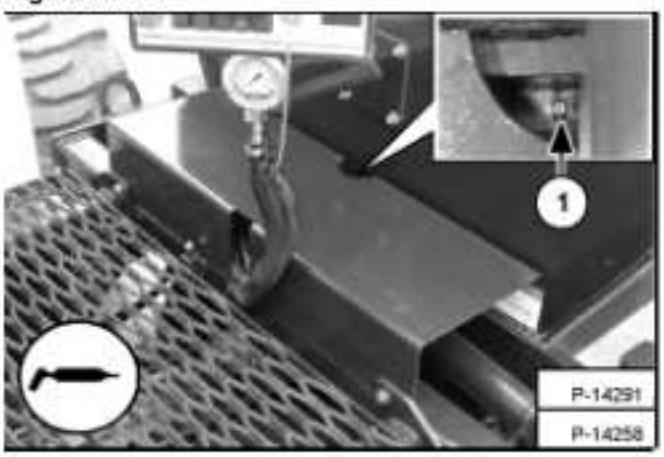
Lubrication of the Concrete Pump is very important to keep concrete mix out of the wear areas. Lubricate the following five grease fittings **AFTER EVERY USE:**

Figure PM-1



1. Outlet Housing (Item 1) **[Figure PM-1]**.

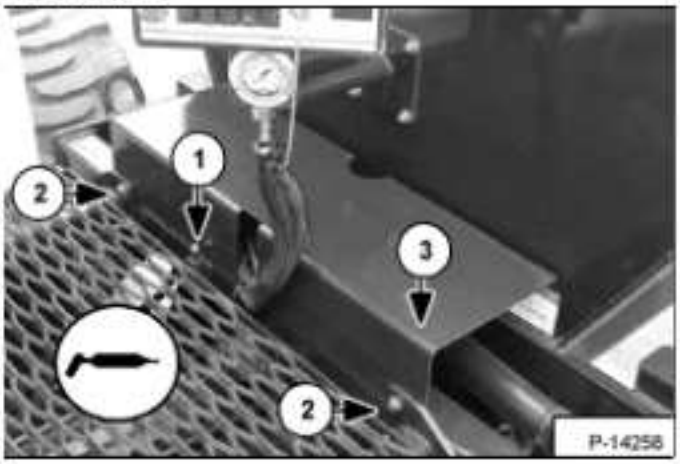
Figure PM-2



2. Crank Arm Bushing (Item 1) **[Figure PM-2]**.

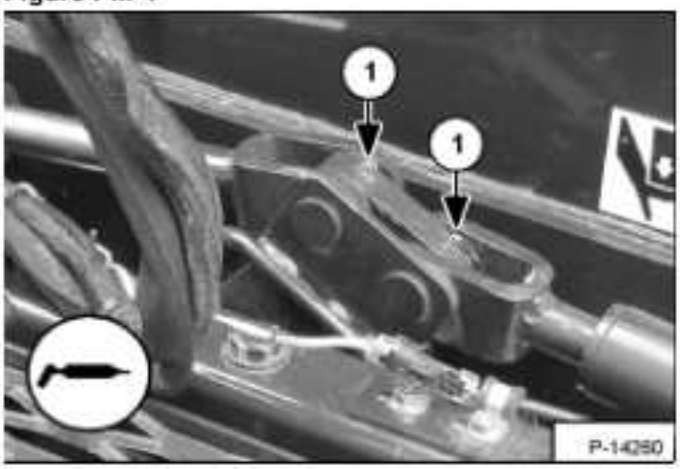
Lubricate the following three grease fittings **EVERY 40 HOURS:**

Figure PM-3



3. Crank Arm Bearing (Item 1) **[Figure PM-3]**.

Figure PM-4

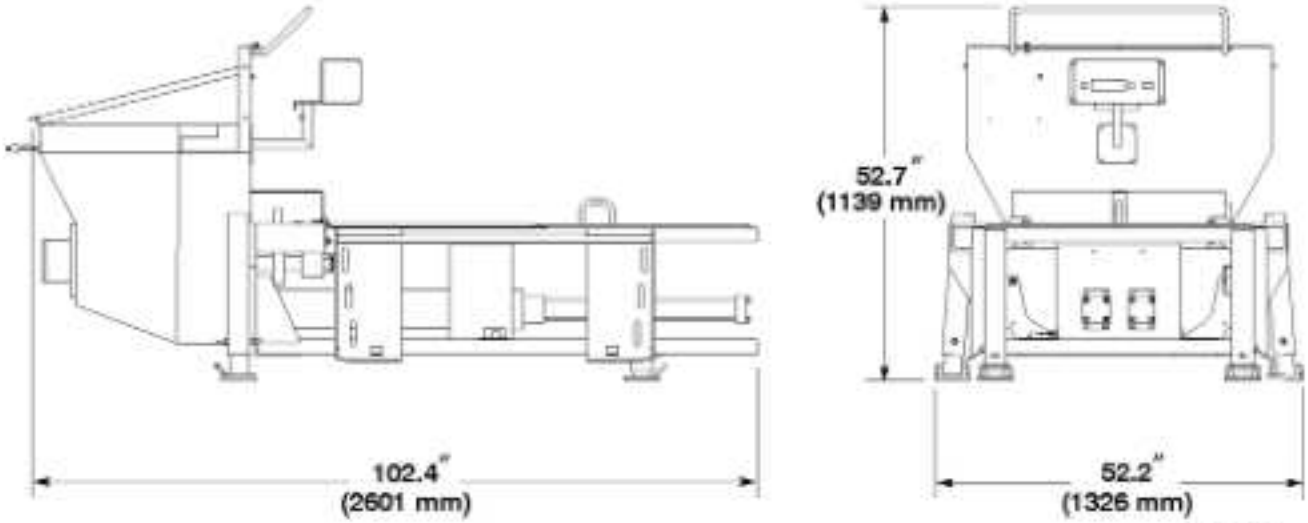


4. Loosen the bolts (Item 2) **[Figure PM-3]** and remove the guard (Item 3) **[Figure PM-3]** to access and lubricate the Swing Valve Crank Arm (Item 1) **[Figure PM-4]**.

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SPECIFICATIONS

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



B-15329
B-15330

Width	52.2" (1326 mm)
Length	102.4" (2601 mm)
Height	52.7" (1139 mm)
Weight	1840 lb. (835 kg)
Swing Valve and Hopper Outlet Diameter	5" (127 mm)
Maximum Concrete Pressure	750 PSI (52 bar)
Maximum Hydraulic Pressure	3200 PSI
Maximum Hydraulic Flow	40 gpm (152 lpm)
Minimum Hydraulic Flow	15 gpm (57 lpm)

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SAFETY INSTRUCTIONS

Safe Operation Is The Operator's Responsibility

Safety Alert Symbol

This symbol with a warning statement means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

WARNING

Operator must have instructions before running the machine. Untrained operators can cause injury or death.

W-2001-1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W-2044-1285

The Bobcat machine and attachment must be in good operating condition before use.

Check all of the items on the Bobcat Service Schedule Decal under the 8-10 hour column or as shown in the Operation & Maintenance Manual.

Safe Operation Needs A Qualified Operator

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine.

A Qualified Operator Must Do The Following:

Understand the Written Instructions, Rules and Regulations

- The written instructions from Bobcat Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook, Safety Manual and machine signs (decals).
- Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.

Have Training with Actual Operation

- Operator training must consist of a demonstration and verbal instruction. This training is given by your Bobcat dealer before the product is delivered.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine load capacities. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of load if handling dense material.
- The operator must know any prohibited uses or work areas, for example, he or she needs to know about excessive slopes.
- Know the location of any underground lines. Call local utilities or the TOLL FREE phone number found in the *USE SAFETY RULES* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection or Special Applications Kits are required for some work. See your Bobcat dealer about Bobcat Safety equipment.

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