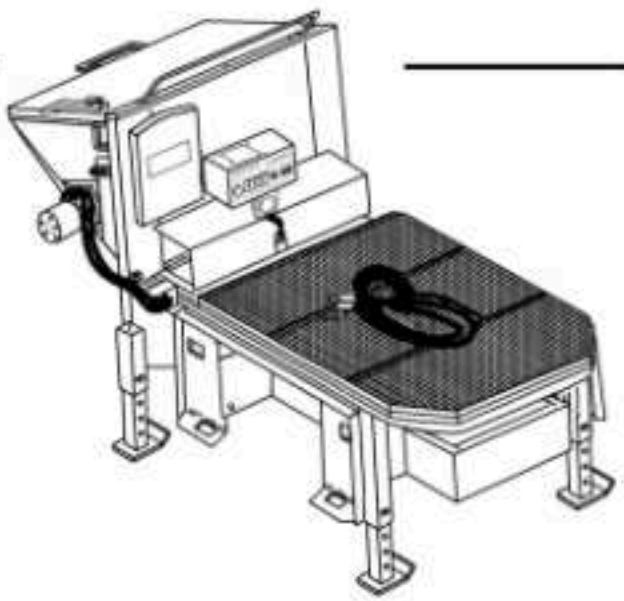
Concrete Pump

Used With Remote Attachment Control

Bobcat®

Operation & Maintenance Manual

S/N 235400101 & Above



An IR Ingersoll Rand business

6903366 (4-05) (1)

Printed in U.S.A.

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SPECIFICATIONS. SPEC-1

REFERENCE INFORMATION

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

Concrete Pump Serial Number _____

_____

_____

_____

NOTES:

_____

_____

_____

_____

_____

_____

YOUR BOBCAT® DEALER:

ADDRESS:

_____

PHONE:

_____

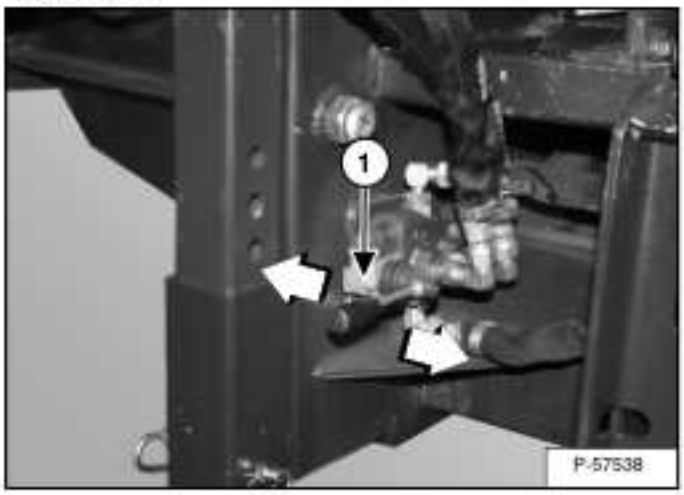
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Agitator Operation

Figure OI-44



Move the agitator control lever (Item 1) **[Figure OI-44]** to start the agitator rotating.

NOTE: Turn agitator off when pump is not operating. Leaving the agitator on could separate the aggregate causing plugs.

NOTE: Agitator will only turn when the pump is also on. Agitator will not turn when the pump is off to help prevent the aggregate from separating.

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LUBRICATION

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

IMPORTANT

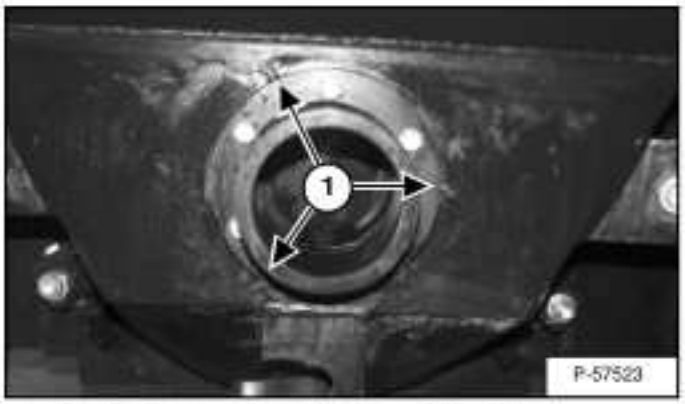
Fluid such as engine oil, hydraulic fluid, coolants, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, state and federal regulations for the correct disposal.

I-2067-0499

Lubrication Points

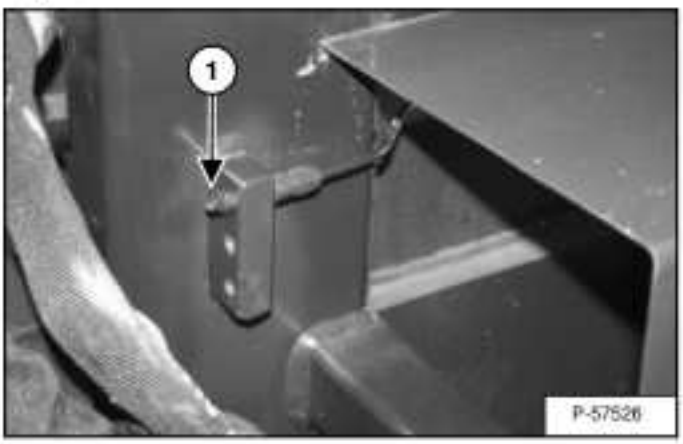
Lubrication of the Concrete Pump is very important to keep concrete mix out of the wear areas. Lubricate the following four grease fittings **[Figure PM-11]** & **[Figure PM-12] AFTER EVERY POUR AND EVERY 2 HOURS OF OPERATION:**

Figure PM-11



1. Outlet Housing (Item 1) **[Figure PM-11]**.

Figure PM-12



2. Crank Arm Bearing (Item 1) **[Figure PM-12]**.

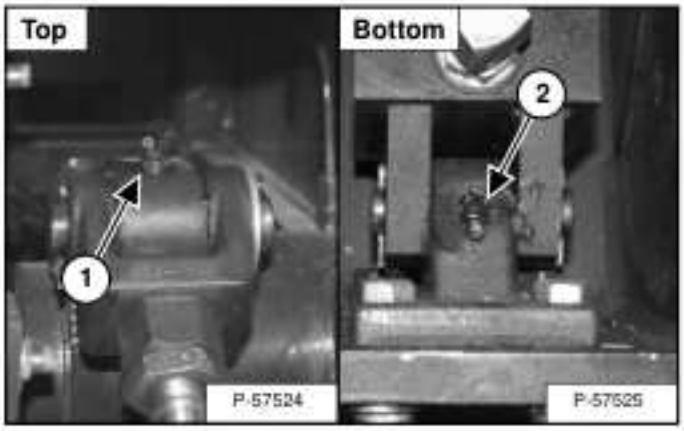
Lubricate the following four grease fittings **[Figure PM-13]** & **[Figure PM-14] AFTER EVERY POUR AND EVERY 8 HOURS OF OPERATION:**

Figure PM-13



3. Concrete Cylinders (Item 1) **[Figure PM-13]**.

Figure PM-14

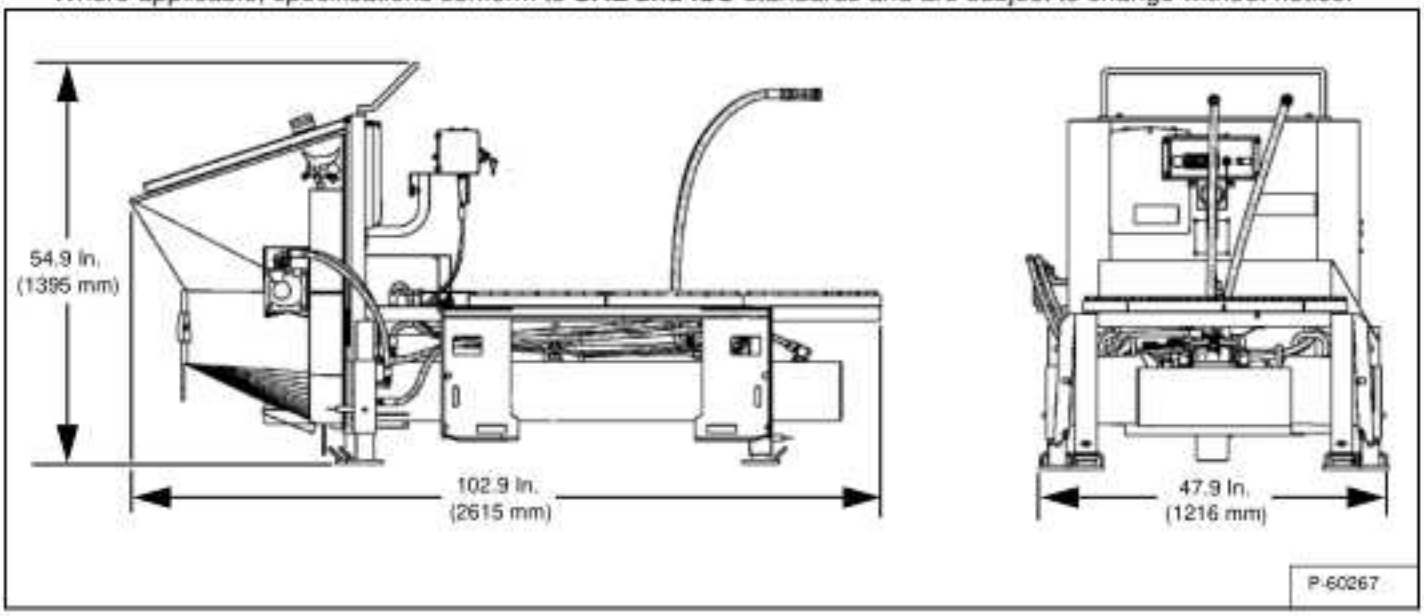


4. Lubricate the top and bottom Swing Valve Cylinder bushings (Items 1 & 2) **[Figure PM-14]**.

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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 and ISO** standards and are subject to change without notice.



DESCRIPTION	CONCRETE PUMP
Width	47.9 in (1216 mm)
Length	102.9 in (2615 mm)
Height	54.9 in (1395 mm)
Weight	2200 lbs (998 kg)
Swing Valve and Outlet Diameter	5 in (127 mm)
Swing Valve Cylinder Diameter	3 in (76 mm)
Swing Valve Cylinder Stroke	6 in (152 mm)
Concrete Cylinder Diameter	6 in (152 mm)
Concrete Cylinder Stroke	24 in (607 mm
Pumping Cylinder Diameter	3 in (76 mm)
Maximum Concrete Pressure	750 psi (5171 kPa)
Maximum Hydraulic Pressure	3000 psi (20684 kPa)
Maximum Hydraulic Flow	40 gpm (152 lpm)
Minimum Hydraulic Flow	15 gpm (57 lpm)
Pumping Rate	*Up to 30 cu. yds. (23 cu. m) per hour
Pumping Method	Reciprocating Piston/Swing Valve
Maximum Aggregate Size	1 1/2 in. minus (38 mm)
Vertical Pumping Height	Up to 50 ft. (15 m)
Horizontal Pumping Distance	250 ft. (76 m)
Wash Box Capacity	5 gal (18.9 l)
Hopper Capacity	10 cu. ft. (0.28 cu. m) with fwd/rev agitator
*Volume output will vary depending on mix design, slump, line size used and job site conditions.	

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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, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

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