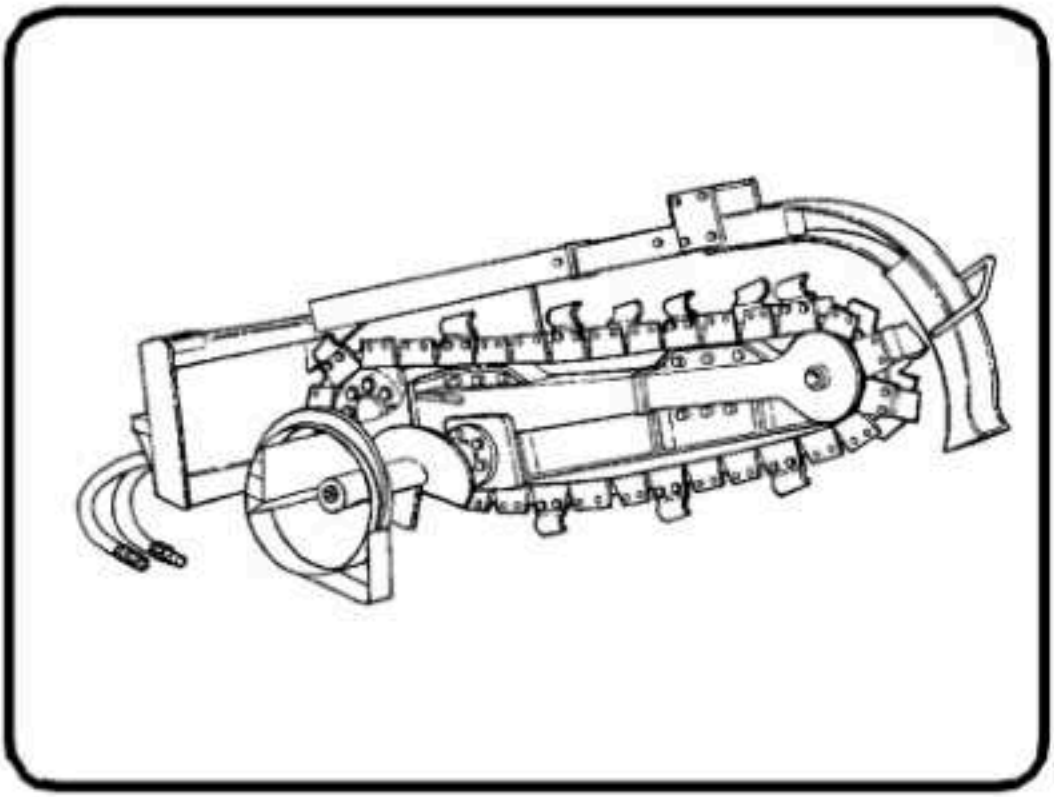
Bobcat®

Operation & Maintenance Manual
LT405 Trencher

(LT405 Trencher) S/N 610000101 & Above
(LT405 Trencher) S/N 705100101 & Above



6722909 (6-06) Revised (3-11) (4)

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REFERENCE INFORMATION

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

Trencher Serial Number _____

NOTES:

_____

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

Doosan Benelux SA
Drève Richelle 167
B-1410 Waterloo
BELGIUM

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FOREWORD

This Operation & Maintenance Manual was written to give the owner / operator instructions on the safe operation and maintenance of the Bobcat trencher. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT TRENCHER. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 7

SERIAL NUMBER LOCATION 9
Attachment Serial Number 9

DELIVERY REPORT 9

ATTACHMENT IDENTIFICATION 10
LT 405 Trencher (S/N 705100101 & Above) 10
LT 405 Trencher (S/N 610000101 & Above) 11

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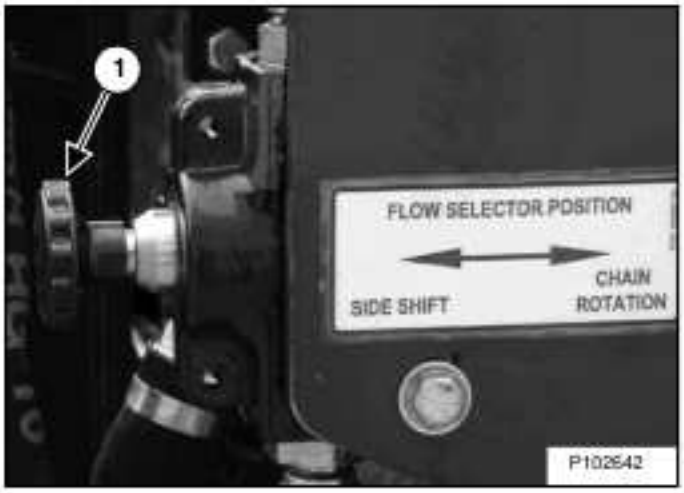
Control Functions

Side Shift Trencher (LT405 Trencher S/N 610000101 & Above Only)

Stop the engine. (See the loader's Operation and Maintenance manual.)

Exit the loader. (See Entering And Exiting The Loader on Page 28.)

Figure 31



Pull the selector valve knob (Item 1) **[Figure 31]** out (side shift position).

Enter the loader. (See Entering And Exiting The Loader on Page 28.)

Start the engine. (See the loader's Operation and Maintenance manual.)

Figure 32



To side shift the trencher to the right, press the switch (Item 1) **[Figure 32]** on the right steer lever or joystick to the right.

To side shift the trencher to the left, press the switch (Item 1) **[Figure 32]** on the right steer lever or joystick to the left.

When the trencher is in the desired location, stop the engine. (See the loader's Operation and Maintenance manual.)

Exit the loader. (See Entering And Exiting The Loader on Page 28.)

Push the selector valve knob (Item 1) **[Figure 33]** in (side chain rotation position).

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Digging Chain Adjustment

Figure 52

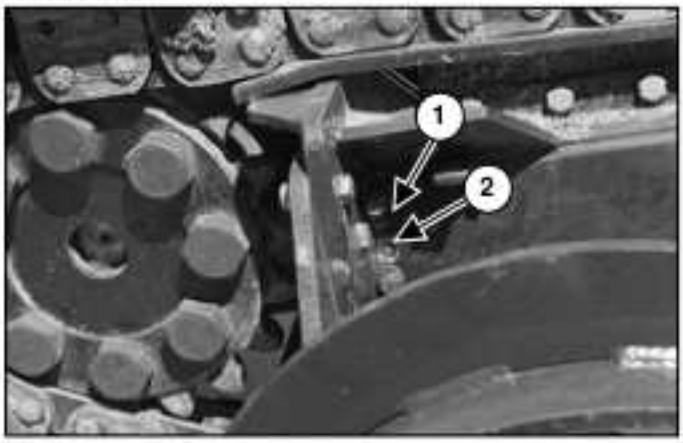
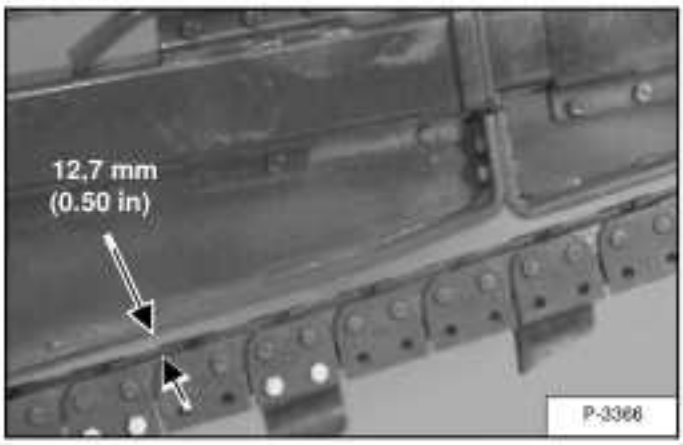


Figure 53



Make sure the bleed screw (Item 1) **[Figure 52]** is tight. Add grease to the grease fitting (Item 2) **[Figure 52]** (with a manual grease gun) until there is 12,7 mm (0.50 in) **[Figure 53]** clearance between the top of the digging chain and bottom of the chain guide.

Lubrication Locations

Lubricate the following locations after every 8 hours of operation.

NOTE: Always use a good quality lithium based grease when lubricating the attachment.

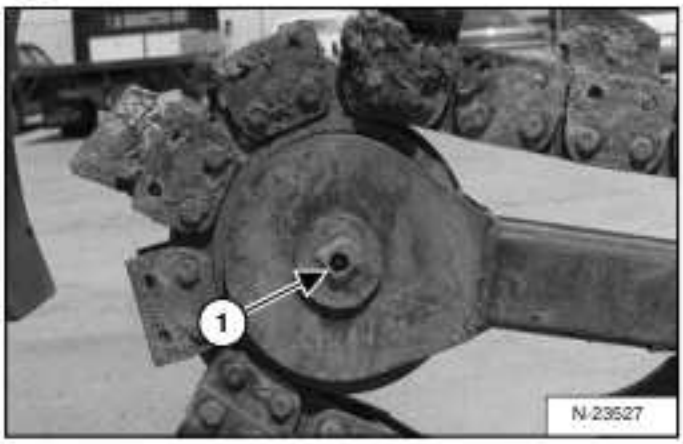
IMPORTANT

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

Lubricate the trencher every 8 - 10 hours.

Figure 54



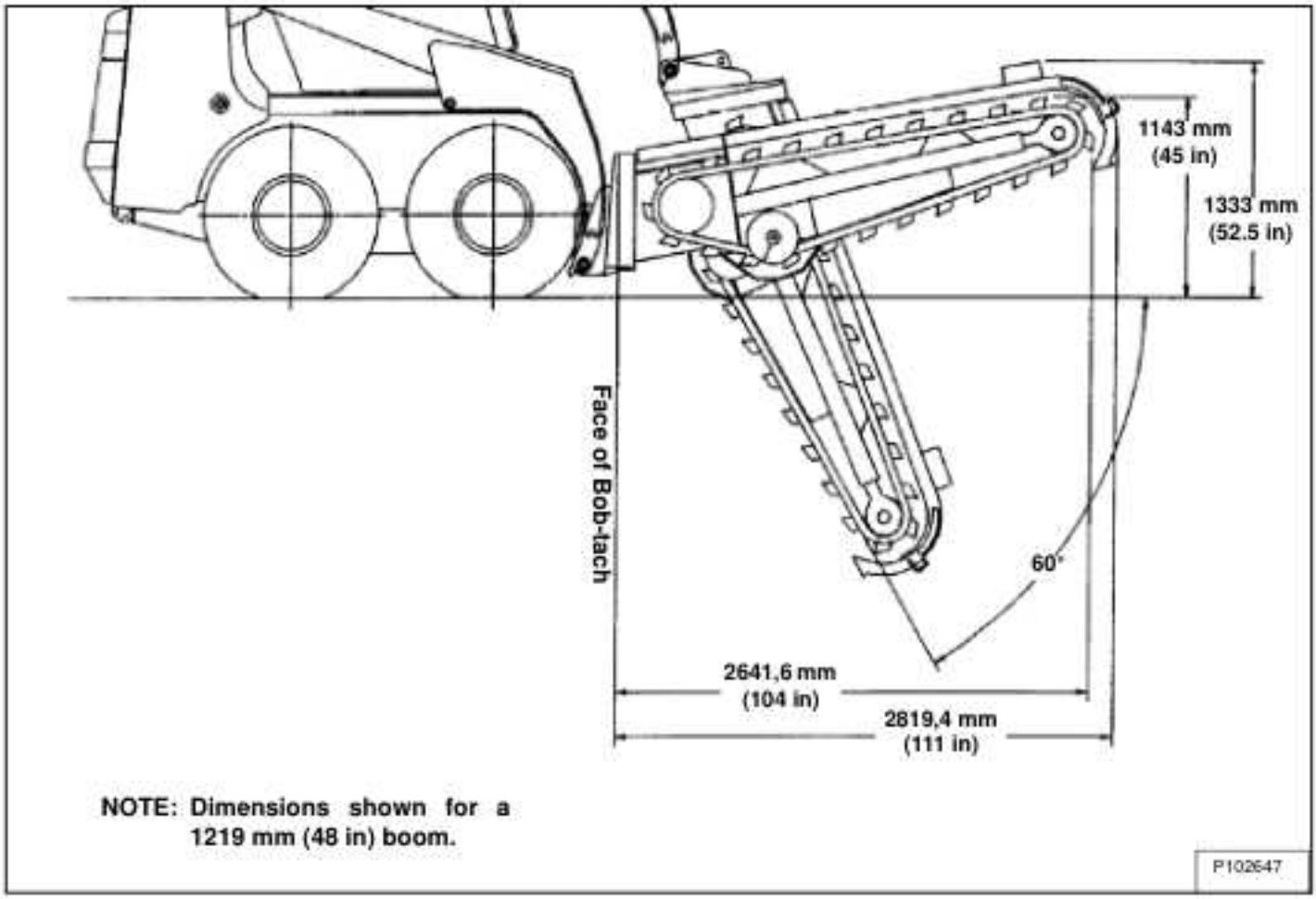
Lubricate the end roller (Item 1) **[Figure 54]**.

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(LT405) TRENCHER SPECIFICATIONS

Dimensions

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



Performance

DESCRIPTION	LT405
Chain Speed	113 m/min (410 ft/min) @ 106 L/min (28.0 U.S. gpm)
Hydraulic Flow Range	98 - 151 L/min (26 - 40 U.S. gpm)
Auger Size	305 mm (12 in) Diameter - Right Side Shaft Removable
Digging Attachment Positions	152 mm (6 in) - 813 mm (32 in) Right of Centerline
Side Shift	Hydraulic Cylinder
Digging Depth	914 mm (36 in) - 1219 mm (48 in) - 1524 mm (60 in)
Chain Width	305 mm (6 in) - 152 mm (8 in) - 203 mm (12 in)
Chain Pitch	50,8 mm (2 in)
Operating Weight ABF-DS Chain 1219 mm (48 in) Boom	689 kg (1520 lb)
Motor Displacement	820 cm^3/Rev. (50 in^3/Rev.)

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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 operating the machine. Untrained operators can cause injury or death.

W-2001-0502

IMPORTANT

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

I-2019-0284

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

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 and the attachment.

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 *Call Before You Dig* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, 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.

SI ATT-0509

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