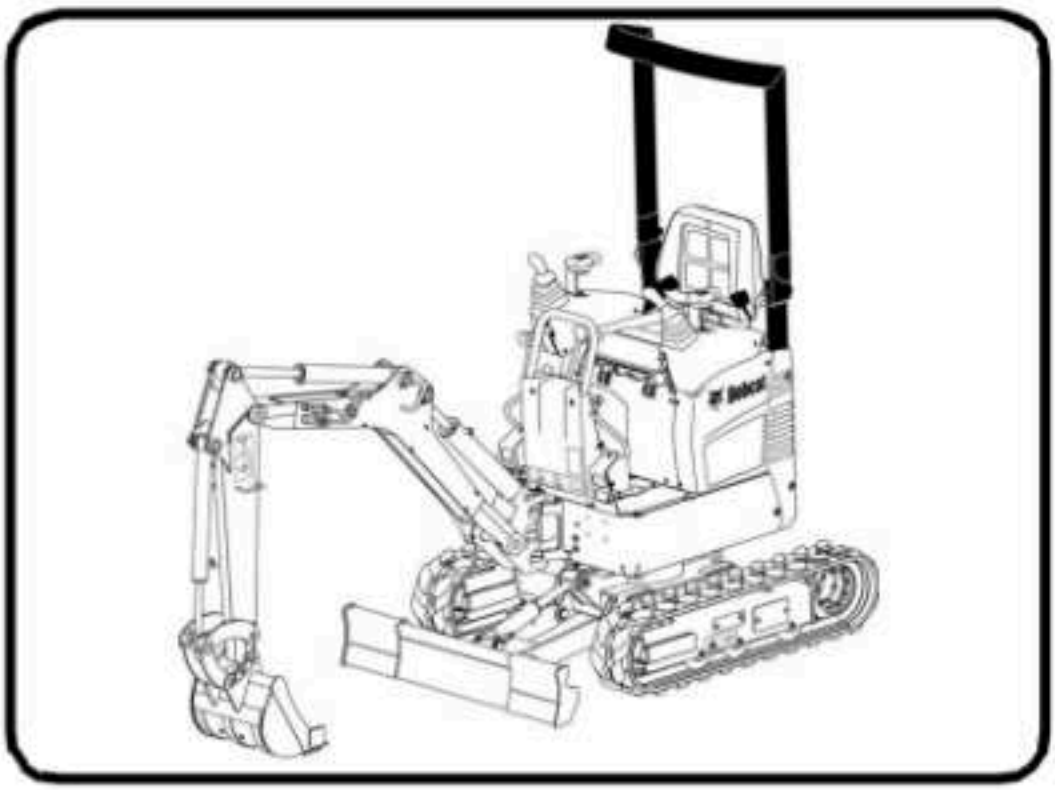
Bobcat®

Operation & Maintenance Manual
418 Compact Excavator

418 S/N AB4711001 & Above



6986852 (8-08)

Printed in Europe

© Bobcat Company 2008

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD III

SAFETY & TRAINING RESOURCES XI

OPERATING INSTRUCTIONS OI-1

PREVENTIVE MAINTENANCE PM-1

MACHINE SIGN TRANSLATIONS MST-1

SPECIFICATIONS SPEC-1

WARRANTY WARRANTY-1

ALPHABETICAL INDEX INDEX-1

REFERENCE INFORMATION

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

Bobcat Excavator Serial Number _____

Engine Serial Number _____

_____

_____

NOTES _____

_____

_____

_____

YOUR BOBCAT EXCAVATOR DEALER:

_____

ADDRESS:

_____

PHONE:

_____

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

Bobcat Company Europe
Drève Richelle 167
B-1410 WATERLOO
Belgium

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

FOREWORD

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

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED V

BOBCAT EXCAVATOR IDENTIFICATION VIII

DELIVERY REPORT VII

FEATURES, ACCESSORIES, AND ATTACHMENTS IX
- Attachments IX
- Options and Accessories IX
- Standard Features IX

REGULAR MAINTENANCE ITEMS V

SERIAL NUMBER LOCATIONS VI
- Engine Serial Number VI
- Excavator Serial Number VI

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica...

Order the manual at mid-west-tech.com >

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED

ISO 9001:2000 is a set of international standards that control the processes and procedures which we use to design, develop, manufacture, distribute, and service Bobcat products.

British Standards Institute (**BSI**) is the Certified Registrar Bobcat chose to assess the Company's compliance with the ISO 9001:2000 set of standards. The BSI registration certifies that the two Bobcat manufacturing plants and the Bobcat corporate offices (Gwinner, Bismarck & West Fargo) in North Dakota are in compliance with ISO 9001:2000. Only certified assessors, like BSI, can grant registrations.

ISO 9001:2000 means that as a company we say what we do and do what we say. In other words, we have established procedures and policies, and we provide evidence that the procedures and policies are followed.

CALIFORNIA
PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

REGULAR MAINTENANCE ITEMS

 ENGINE OIL FILTER (6 pack) 6671057	 PRIMARY HYDRAULIC FILTER 6653336
 FUEL FILTER 6667352	 BATTERY 6670251
 AIR FILTER, Outer 6673752	 RADIATOR CAP 056723
 AIR FILTER, Inner 6673753	 PROPYLENE GLYCOL ANTI-FREEZE, Premixed [-34° F (-37°C)] 6724094
 FLUID, Hydraulic / Hydrostatic 6903117 - (2.5 Gal.) 6903118 - (5 Gal.) 6903119 - (55 Gal.)	 PROPYLENE GLYCOL ANTI-FREEZE, Concentrate 6724354

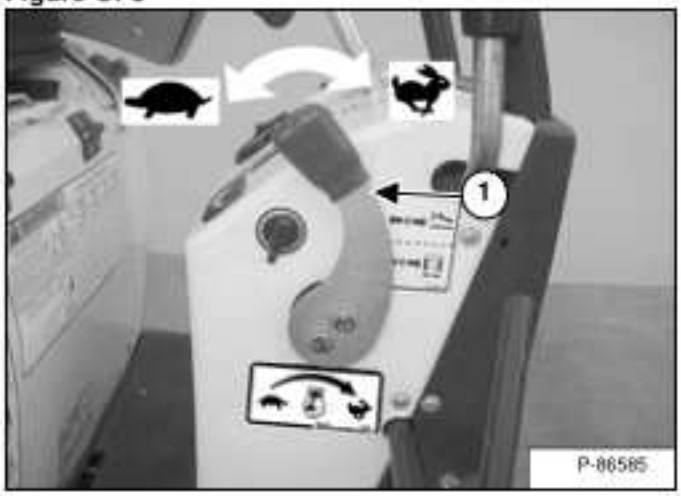
MOTOR OIL

6903105 . . . . SAE 15W/40 CE/SG (12 qt.)	6903109 . . . . . SAE 30W CE/SG (12 qt.)
6903106 . . . . SAE 15W/40 CE/SG (1 Gal.)	6903110 . . . . . SAE 30W CE/SG (1 Gal.)
6903113 . . . . SAE 15W/40 CE/SG (2.5 Gal.)	6903111 . . . . . SAE 30W CE/SG (2.5 Gal.)
6903107 . . . . SAE 10W/30 CE/SG (12 qt.)	
6903108 . . . . SAE 10W/30 CE/SG (1 Gal.)	
6903112 . . . . SAE 10W/30 CE/SG (2.5 Gal.)	

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

Engine Speed Control Lever

Figure OI-5

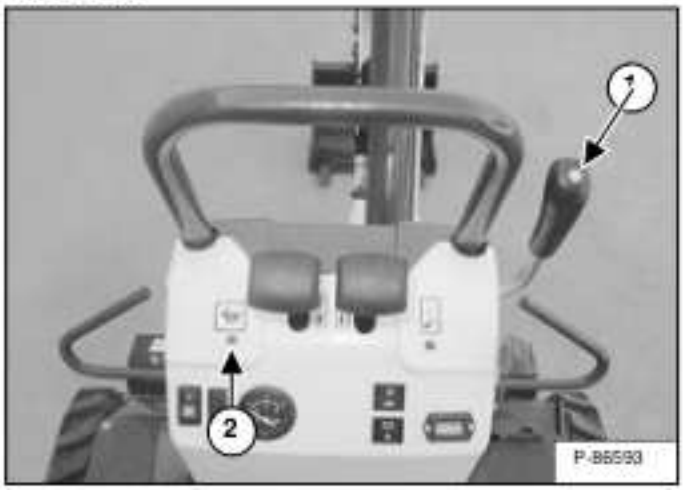


The engine speed control lever (Item 1) **[Figure OI-5]** controls the RPM of the engine.

Move the lever (Item 1) **[Figure OI-5]** forward to increase engine RPM, move the lever back to decrease engine RPM.

Two-Speed Travel

Figure OI-6



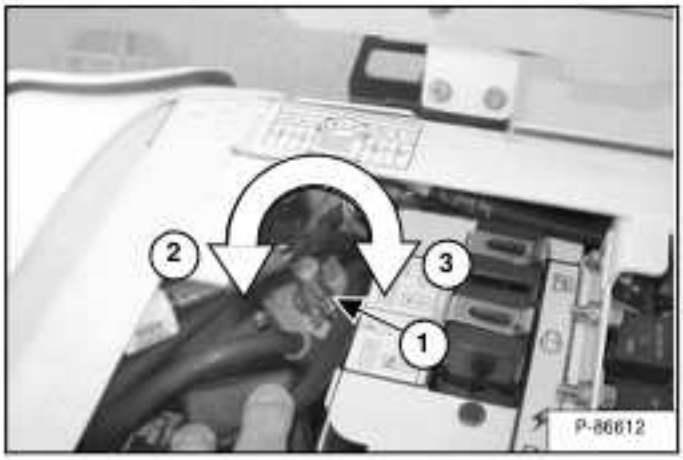
Push the button (Item 1) **[Figure OI-6]** to engage the High Range.

When High Range is engaged, the two-speed travel light (Item 2) **[Figure OI-6]** will illuminate.

Press the button again to disengage.

STD / ISO Selector Valve

Figure OI-7

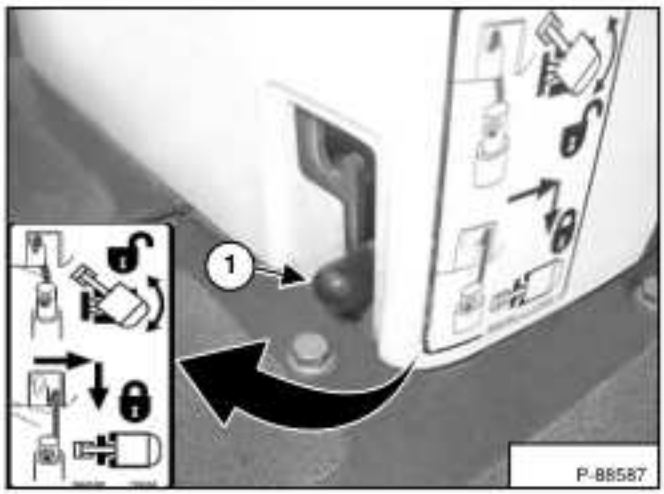


Open the rear cover and tilt the operator's seat forward.

Move the lever (Item 1) counterclockwise (Item 2) for STANDARD Control Pattern, clockwise (Item 3) for ISO Control Pattern **[Figure OI-7]**.

Upperstructure Slew Lock

Figure OI-8



Move the slew lock pin (Item 1) **[Figure OI-8]** to the right and down to engage the upperstructure slew lock. When the slew lock is engaged (locked), the upperstructure of the excavator is locked to the track frame and will not rotate.

NOTE: The upperstructure must be in the straight forward or straight rearward position for the upperstructure to lock.

Move the slew lock pin (Item 1) **[Figure OI-8]** up and to the left to disengage (unlocked) the upperstructure from the track frame. Secure the lever in the unlocked position.

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

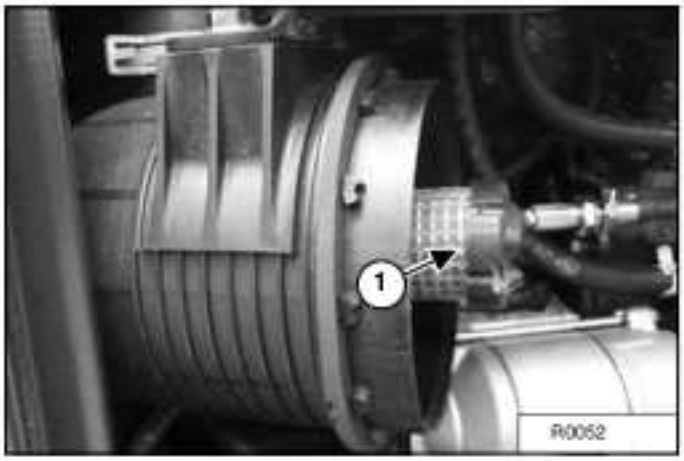
Replacing the Filter Elements (Cont'd)

Inner Filter

Only replace the inner filter under the following conditions:

- Replace the inner filter every third time the outer filter is replaced.
- After the outer filter has been replaced, press the button on the top of the condition indicator (Item 1) **[Figure PM-9]** and start the engine. Run at full RPM, then reduce engine speed and stop the engine. If the red ring shows in the condition indicator, replace the inner filter.

Figure PM-11



Remove the dust cup (Item 1) **[Figure PM-9]**, the outer filter (Item 1) **[Figure PM-10]** and the inner filter (Item 1) **[Figure PM-11]**.

NOTE: Make sure all sealing surfaces are free of dirt and debris.

Install the new inner filter.

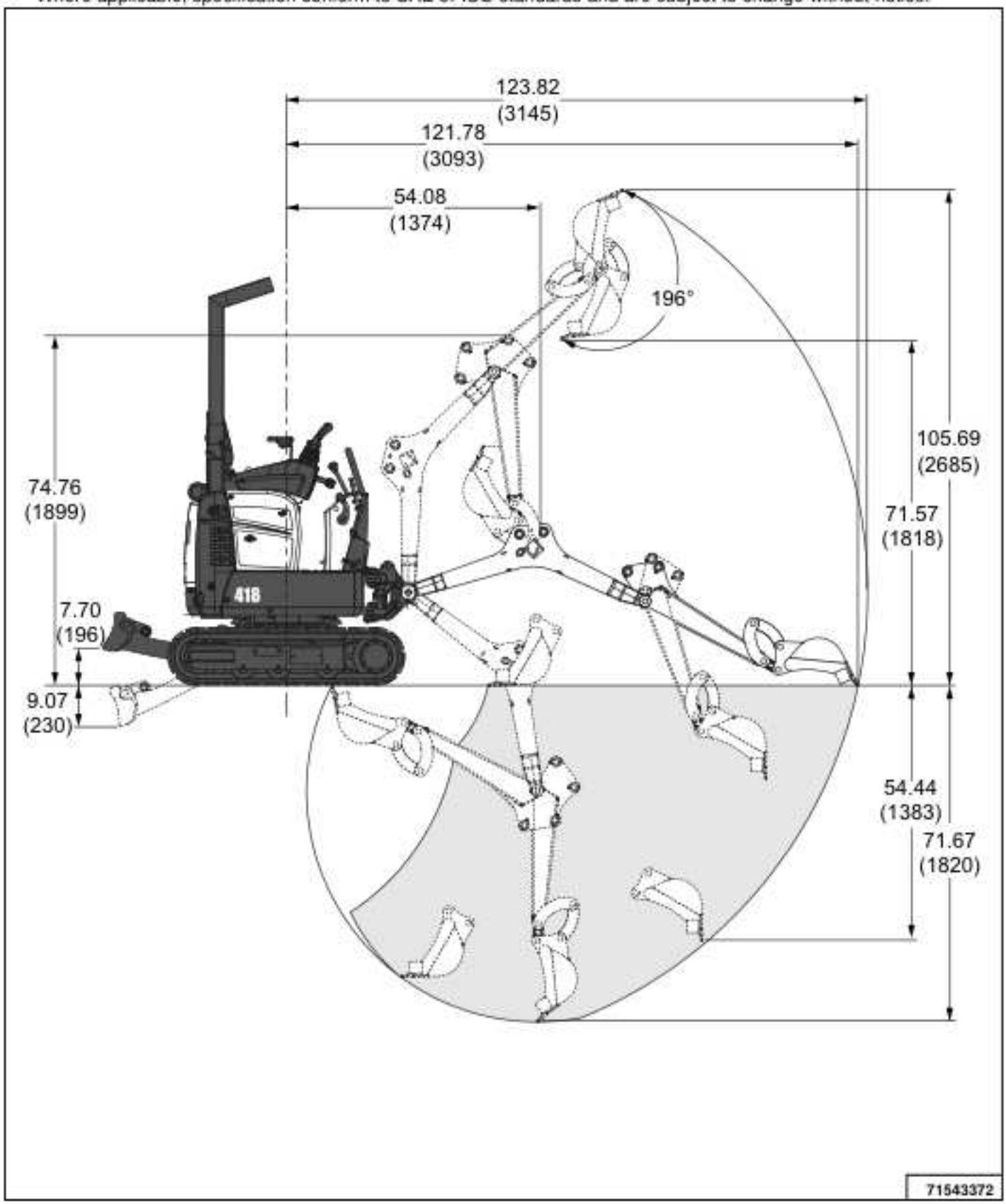
Install the outer filter and the dust cup.

Press the button on the condition indicator to reset the condition indicator (Item 1) **[Figure PM-9]** (the red ring will not show anymore).

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

418 Excavator Machine Dimensions

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



MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

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

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 excavator 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.
- Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Safety videos are also available.
- Service Safety Training Courses are available from your Bobcat dealer. They provide information for safe and correct service procedures.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the Rated Lift Capacity of the machine. 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 *Before Operation* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection or Special Applications Kits are required for some work. See your Bobcat dealer about Bobcat Safety Equipment for your model.

SI EXC-0208

MidWestTech | Bobcat 418 Compact Excavator Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >