

OPERATOR'S MANUAL

This manual has been prepared for and is considered part of -

5560B/YB5518

Crane Model Number

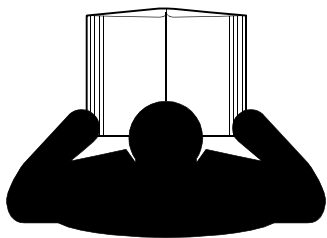
This Manual is divided into the following sections:

SECTION 1	INTRODUCTION
SECTION 2	SAFETY INFORMATION
SECTION 3	OPERATING CONTROLS AND PROCEDURES
SECTION 4	CAPACITY CHARTS
SECTION 5	ATTACHMENTS
SECTION 6	MAINTENANCE
SECTION 7	ADJUSTMENTS
SECTION 8	SPECIFICATIONS

NOTICE

The crane serial number is the only method your distributor or the factory has of providing you with correct parts and service information.

The crane serial number is identified on the builder's decal attached to the operator's cab. **Always furnish crane serial number** when ordering parts or communicating service problems with your distributor or the factory.



WARNING

To prevent death or serious injury:

- Avoid unsafe operation and maintenance.
- This crane must be operated and maintained by trained and experienced personnel. Manitowoc is not responsible for qualifying these personnel.
- Do not operate or work on this crane without first reading and understanding Operator's Manual and Rating Plate supplied with crane.
- Store Operator's Manual in holder provided on crane.
- Attach laminated Capacity Charts supplied with crane to chain in operator's cab.
- If Operator's Manual or Capacity Charts are missing from cab, contact your distributor for new ones.

3. Slopes

DO NOT park the crane on an incline and leave it unattended.

Driving across a slope is dangerous, as unexpected changes in slope can cause tip over. Ascend or descend slopes **slowly** and with **caution**.

Ascend or descend slopes with the boom and load pointing up the slope.

When operating on a downhill slope, reduce travel speed and downshift to a low gear to permit compression braking by the engine and aid the application of the service brakes.

4. Falling Load Hazard

DO NOT downshift at a high ground speed. You may drop the load off the deck due to a sudden slowing.

5. Visual Obstructions

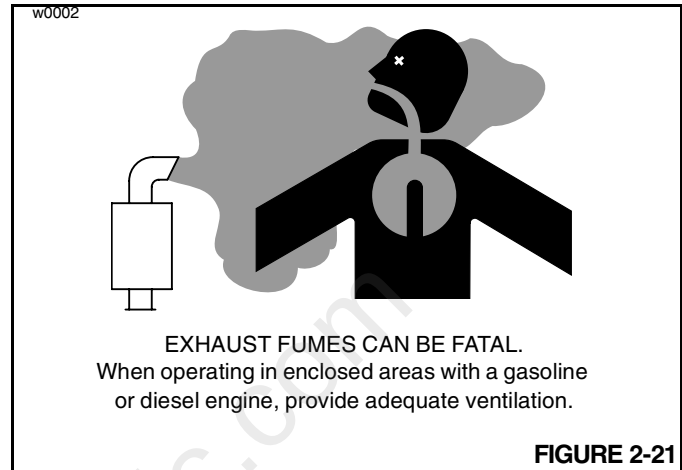
Dust, smoke, fog, etc. can decrease vision and cause an accident. Always stop or slow the crane until the obstruction clears, and the work area is visible again.

6. Ventilation

Sparks from the electrical and engine exhaust can cause an explosion. **DO NOT** operate this crane in an area with

flammable dust or vapors, unless good ventilation has removed the hazard.

Carbon monoxide fumes from the engine exhaust can also cause suffocation in an enclosed area. Good ventilation is very important when operating the crane.



EQUIPMENT CONSIDERATIONS

DO NOT modify, alter or permit anyone to modify or alter the crane or any of its components.

To Raise the Drop Block

Press the accelerator pedal to increase the engine speed to maximum rpm. Slowly pull back on the hoist control lever (Figure 3-56) until the desired raising speed is obtained. The further the control is pulled back the faster the drop block will raise

To Stop Boom Movement

Slowly move the control lever to the neutral position and decrease the engine speed to idle.

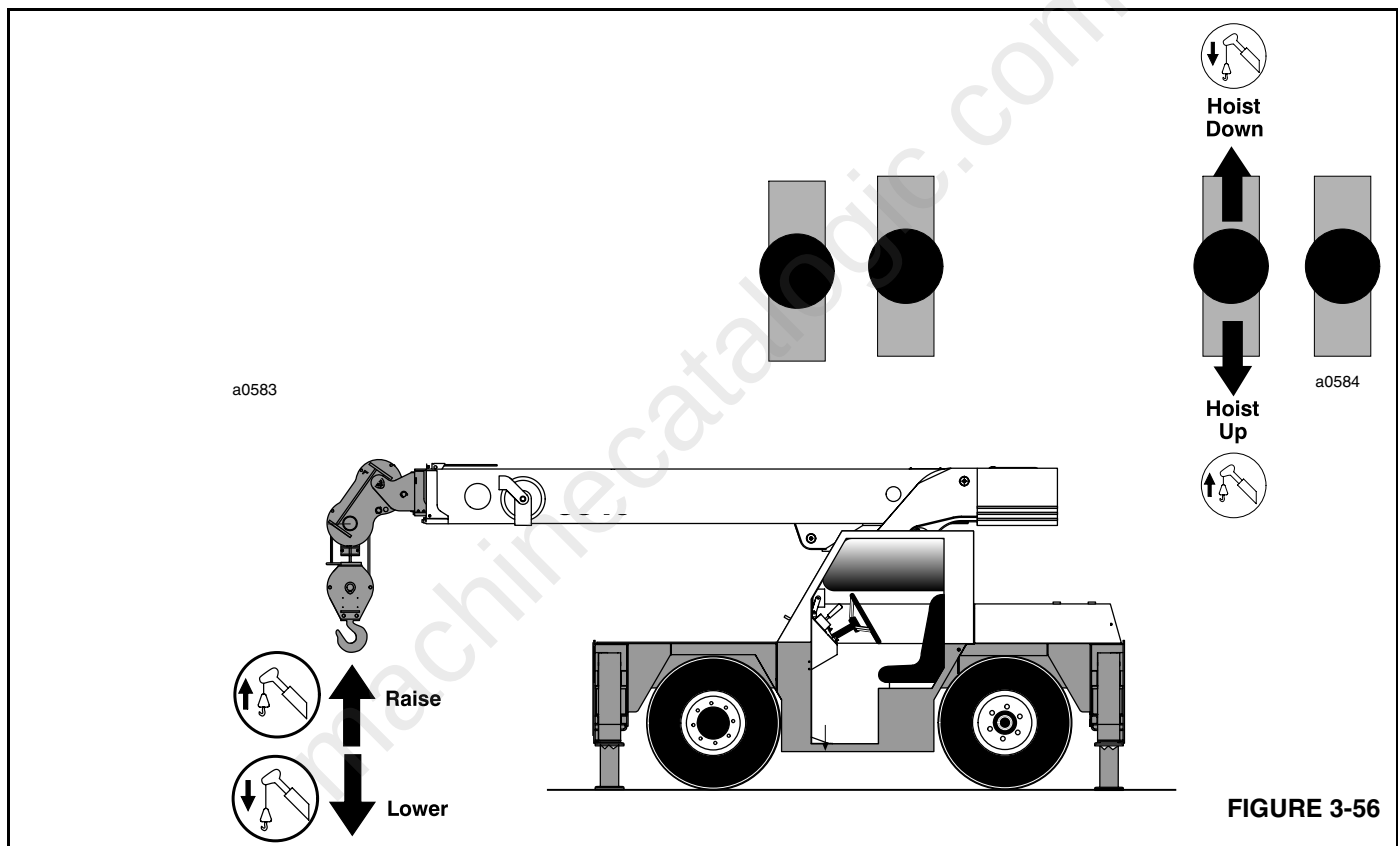
To Lower the Boom

Press the accelerator pedal to increase the engine speed to maximum rpm. Slowly push forward on the hoist control lever

(Figure 3-56) until the desired lowering speed is obtained. The further the control is pushed forward the faster the drop block will lower.

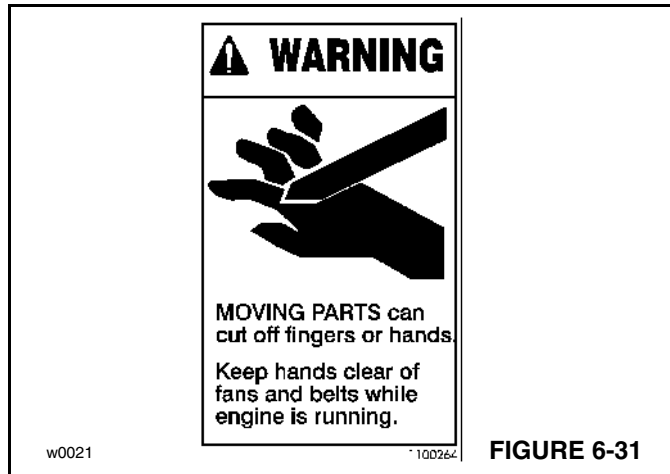
**WARNING**

When lifting at high boom angles with an extended boom, it is crucial to maintain proper side slide pad adjustment. See Boom Adjustments in Section 7. Visually check the lateral straightness of the boom before raising the load. Lifting with a boom which is not visually straight may cause boom failure and could result in injury or death.

**FIGURE 3-56**

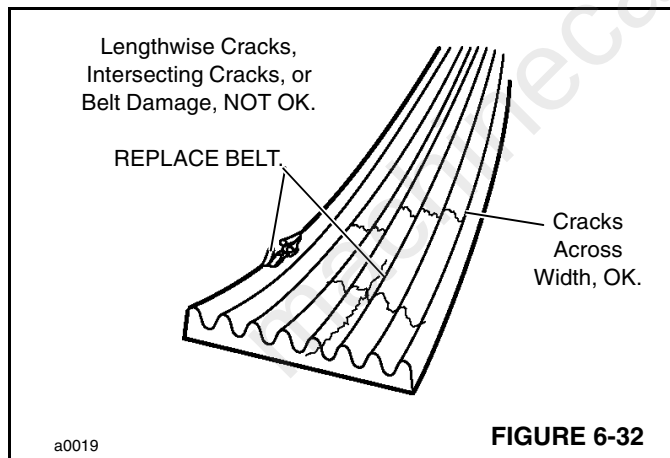
Inspecting The Fan Belts

Keep the engine and accessory belts properly tensioned for maximum engine performance and fuel economy. Proper belt tension minimizes slippage and increases belt life.



A belt that is too loose will see excessive vibration and increased wear. A belt that is too tight produces wear on the belt and the bearings of the pulleys it travels around.

Check ribbed belts for intersecting cracks. Cracks across the belt are acceptable. Cracks along the length of a ribbed belt are not acceptable. Ribbed belts with cracks along their length should be replaced. See Figure 6-32.



Any ribbed belt showing signs of wear or that has material missing should be replaced. When a belt is replaced, check its tension again after 30 minutes of operation. New belts will stretch with use.

Checking Wheel Nut Torque

Check the torque on each wheel nut in crisscross pattern. Wheel nut torque should be 500 lb-ft. (680 Nm).

250 HOURS OF OPERATION

NOTE: You must read and understand the warnings and basic safety rules, found in Section 2 of this manual, before performing any operation or maintenance procedures.

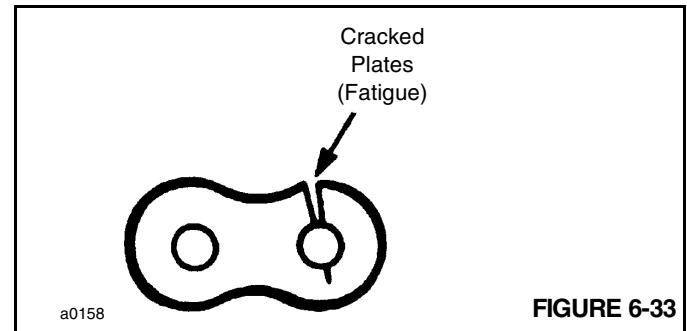
For additional engine maintenance guidelines, see the engine manual furnished with this crane.

Inspecting The Boom Chains

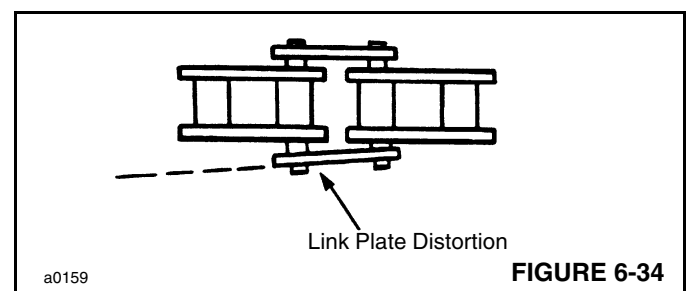
1. Place the booms in the fully lowered position.
2. Extend the booms to expose all of the side access holes.
3. Visually inspect the chains through the access holes. A light may be needed to see most of the chain. Look for any damage to the chains.

NOTE: If chain damage is found during the inspection, **DO NOT USE THE CRANE.** Cease operation and replace the damaged chain before placing the crane back in service. A damaged chain could break, causing boom to not function properly. Personal injury or property damage could result.

4. Damage could be any of the following:
 - a. A crack or complete break of a link plate, particularly an outer plate on either side of the chain (Figure 6-33).



- b. Distortion or spreading of an outside link plate, evidenced by increasing clearance between overlapping link plates, or between the inner link plates and the roller. This indicates a hidden break in a pin (Figure 6-34).



Full Version Available

Grove 5560B and YB5518 Rough Terrain Crane Operator Manual

Grove 5560B, YB5518 rough terrain crane operator manual covering controls, safe operation, setup and daily checks. Instant PDF download.

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