

## BELT AUGER - PREVENTATIVE MAINTENANCE

### ⚠ WARNING

- Clear the area of bystanders, especially children, before repairing or adjusting.
- Before servicing, repairing or unplugging; place controls in neutral, stop engine, remove ignition key and wait for moving parts to stop.
- Follow good shop practices:
  - Keep service area clean and dry.
  - Be sure electrical outlets and tools are properly grounded.
  - Use adequate light for the job at hand.
- Stay away from overhead power lines. Electrocutation can occur without direct contact.
- Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
- Make sure there is plenty of ventilation. Never operate the engine in a closed building. The exhaust fumes may cause asphyxiation.
- When maintenance is complete, before resuming work, install and secure all guards.

With a good maintenance program, your auger will provide many years of trouble-free service.

1. Remove the key from the ignition to prevent accidental operation.
2. The intake bushing must be checked and greased every 8 - 10 hours use.
  - **Note:** If the paint has turned black from heat, the bushing may need to be realigned or replaced.
3. Although the driveshaft pillow blocks are self-lubricating, they should have one shot of grease every 8 - 10 hours use.
  - **Note:** The steady bearing is sealed and does not require lubricating.
  - **Note:** While servicing the driveshaft bearings, watch for signs of heat which could indicate a failed bearing and needs replacement.



Fig 1 - Intake bushing grease zerk



Fig 2 - Intake bushing

4. The gearbox oil level should be checked twice a year, even if there are no visual signs of an oil leak.
  - Removing the plug from the side.
  - Due to condensation build up, the oil should be changed annually.
  - Use 75W90 GL-5 gear oil.
5. To keep the spring-loaded idler operating freely, it requires one shot of grease every 50 hours of use.
  - **Note:** Be careful not to over-grease and get onto the drive belt.
6. Lubricate the two pivot points at the axle and frame every 50 hours of use.
7. Inspect the winch cable for frays and kinks before each use.
  - The cable should spool properly in the winch.
  - The cable clamps must be secure.
8. Inspect the drive belt for frays, uneven wear and proper tension before every start up.
9. The hydraulic pump belt should be checked every 50 hours for proper tension.
10. The engine oil level should be checked daily.
  - Servicing and changing oil should be followed according to the engine operator's manual.
11. The hydraulic oil level should be checked every 50 hours.
  - The oil level should be kept to the bottom of the fill neck.
  - **Note:** If the hydraulic oil is low, check for leaks and repair.
12. Tire pressures should be checked at least once a year.
  - Check it more often if the auger is being transported to different locations.
13. The wheel bearings should be checked and repacked with grease annually.
14. The wheel drive motors must be checked for proper gear engagement at least once a year.
  - Check it more often if the auger is moved frequently.
15. Check the header chain and sprocket condition by removing the chain cover.
  - Using the mover, raise the intake up high enough to bring the header down to chest level.
16. Lubricate the header chain and sprockets with gear oil at least once a year and more often if used commercially.
  - Using a paint brush works well.
  - **Note:** The head-end bearings are a sealed bearing and do not require greasing.
17. **IMPORTANT:**
  - The 46 foot auger does not require truss cables
  - The longer 53 and 59 foot augers are equipped with truss cables. they need to be adjusted annually to keep a 3 - 4 inch rise at the header-end of the auger.