

GXP Daily Maintenance Checklist

Performing scheduled maintenance will promote safe, reliable operation of your shear. Inspect and grease components as indicated in the following checklists.

4-HOUR CHECKLIST

Every four hours, perform a brief visual check for hydraulic leaks, blade damage, and loose or missing bolts. A more thorough inspection, to be performed at the end of each shift, is described below on the eight-hour checklist.

GREASE

- Shear cylinder - end of pin
- Shear cylinder rod
- AutoGuide at fitting and smear grease on contact surface of upper jaw
- Main shaft/pivot, both sides

Grease all locations until grease extrusion is visible with jaw open and closed.

8-HOUR CHECKLIST

INSPECT

- Bolts - check for loose bolts, replace if damaged
- Fittings and hoses for damage or leaks
- Bracket pivot for wear and pin retainers
- Cylinder pivot for wear and pin retainers
- Entire shear for cracks (visual check)

GREASE

- Bracket pivot
- Bracket cylinder
- Bearing slewing - five locations
- All points listed in 4-hour checklist

Grease all locations until grease extrusion is visible.

JAWS AND BLADES

- Check blade gaps
- Check blade edge radiuses
- Check for loose or damaged bolts, retorquing loose bolts when cool
- Check AutoGuide and shim if needed
- Build-up and hard-surface as required
- Grind off any rolled-over or mushroomed blade edges
- Shear Jaw Armor™ - build-up and hard-surface as needed

GREASE

For normal conditions above 32 °F (0 °C), use a lithium-based, premium grade 2 extreme-pressure grease. For temperatures below 32 °F, use a grade 0 grease.

Do not use grease containing Molybdenum (Moly).

Genesis GLG-2™ anti-wear, extreme-pressure lithium grease, PN 6302601, is recommended for all temperature conditions.

The shear jaws must be closed for access to all grease fittings. Grease all locations per the 4- and 8-hour checklists and until grease extrusion is visible with the jaw open and closed.

After greasing the rotation bearing, rotate the shear through two full rotations.



GREASE LOCATIONS

1. Bracket pivot
2. Bracket cylinder
3. Shear cylinder butt
4. Shear cylinder rod
5. Main shaft/pivot - both sides
6. Rotation bearing - four locations
7. Rotation head - two locations
8. AutoGuide
9. AutoGuide contact surface on upper jaw

Shear cylinder, AutoGuide and pivot should be greased every four hours and at the end of a shift, while the shear is warm. Bracket and rotation should be greased at the end of a shift.

NOTICE

Extreme operating conditions may require shortened maintenance intervals.

This document is a quick reference only. It does not replace the product safety and operator's manuals, which must be followed by all operators and maintenance personnel.