

# 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.