

# GXT 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, loose or missing bolts, and cylinder pin keepers. 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 - four 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, shim to tolerance and replace when shims exceed 0.100"
- 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

Use a lithium-based premium EP #2 in normal conditions above 32° F (0° C). Use Grade 0 in temperatures below freezing.

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 - center of tube
2. Bracket cylinder - end of pin
3. Shear cylinder - end of pin
4. Shear cylinder - end of pin
5. Main shaft/pivot - both sides
6. Bearing slewing - four locations
7. AutoGuide
8. AutoGuide contact surface on upper jaw

## 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.