



MAINTENANCE - WEIGH HOPPERS & SURGE HOPPERS

Proper maintenance of the seed hopper is critical for peak performance, reliability and accuracy of this system. The following is a guideline for the type of maintenance and servicing that should be performed on this unit. Your environment and uses may require additional maintenance and service beyond this list to assure a reliable and safe unit. The operator of this unit has ultimate responsibility to identify areas of concern and rectify them before they become a hazard or safety issue. There is no substitute for a trained, alert operator.



Do not put this unit into operation with any questionably maintained parts. Poor performance or a hazard may occur.

DIVERTER K-VALVE BEARING GREASE

Use an SAE multipurpose high temperature grease with extreme pressure (EP) performance. Also acceptable is an SAE multipurpose lithium-based grease.

Use a Maintenance Checklist to keep record of all scheduled maintenance.

- Use a hand-held grease gun for all greasing.
- Wipe grease fitting with a clean cloth before greasing to avoid injecting dirt and grit.
- Replace and repair broken fittings immediately.



If fittings will not take grease, remove and clean thoroughly. Also clean lubricant passageway. Replace fitting if necessary.

HOPPER VIBRATOR GREASE

Use Lubriko M21 general purpose grease or equivalent Sodium Calcium based NLGI grade 2 grease. Minimum temperature range 0 - 225 degrees Fahrenheit. Minimum viscosity 70 - 80 SUS at 212 degrees Fahrenheit. Apply 2.2 - 3.0 grams (two pumps with standard manual grease gun). Do not over grease!

- INTERMITTENT DUTY = Every 400-500 hours.
- CONTINUOUS DUTY = Every 2 weeks.

HOPPER

- Inspect all welds and structural components for bends, cracks, and damage.
 - Clean out any build up of debris.
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SLIDE GATE & AIR SYSTEM

- Test slide gate for proper actuation with 3-Way valve.
 - Drain water from compressor daily.
 - Drain air dryer every 40 hours of operation.
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DIVERTER

- Inspect all welds and structural components for bends, cracks, and damage.
 - Test diverter K-Valve for proper actuation with 3-Way valve.
 - Clean diverter of any obstructions.
 - Grease both K-Valve bearings.
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SCALE & SCALE HEAD

- Inspect all welds and structural components for bends, cracks and damage.
- Check for binding on scale components.
- Check wiring from scale to scale head for any damage or kinks.
- Have scale professionally re-calibrated as necessary.