

Sugar Beet Harvester Checklist

Hitch & PTO

- Bolts are tight
- Pivot pins tight/keys in place
- Cracked welds or bent metal
- PTO - U-joints no play
- Greased

Row Finder

- Mounts are tight / inspect all welds
- Arms straight, even and move freely
- "T" shaft straight and moves freely
- Arms centered over the row
- Hyd. & Electronics Working properly
- Greased

Lifter Wheels & Struts

- Wheels worn (less than 1")
- Wheels bent, cracked or casting flaws
- Row spacing (using 22,44,66....)
- Strut bolts - Tight
- Strut & Scraper inspected for cracks or wear
- Rock package adjusted to specifications
- Bearings, Seals, and Tightness
- Pinch points (1 1/2" to 2")
- Check Pinch point angle (all the same)
- Mud scrapers adjusted to proper location
- Greased

Paddle Shaft

- Shaft Straight & Welds inspected
- Bearings good & lock collar tight
- Drive chain, gears & slip clutch inspected
- Paddles Timed
- Paddle wear & Wheel clearance correct
- Drive Chains oiled & Bearings greased

Apron Shaft & Chain

- Shaft Straight & Welds inspected
- Drive chain, gears & slip clutch inspected
- Bearings good & lock collar tight
- Apron Chain Tension (worn 30 - 50% - replace)
- Apron Chain Drive sprockets worn (flip?)
- Apron to wheel clearance (2" - 3")
- Apron Chain to Grabroll clearance (0.5")
- Drive Chains oiled & Bearings greased

Grabrolls

- Inspect bearings (loose or worn)
- Scrolling in good shape (over 50%)
- Smooth & Grab tubes (straight & no wear areas)
- Plastic - chunks missing or worn through
- Check Lock collars, tapered hubs & shafts
- Tighten all bolts
- Inspect drive belts / chains & alignment
- Grab spacing - Pinch side (1-2" tube to tube)
- Drive Chains oiled & Bearings greased

Scrub Chain and Tower

- Inspect Tower for cracks, wear points & loose bolts
- Idler Wheels - check bearings, wear and tightness
- Idler Rollers - check bearings, wear and tightness
- Scrub Chain worn (over 30 to 50% wear)
- Scrub Chain Drive sprockets worn (flip?/replace)
- Tension arms adj. - wheel have 3/4" to 1" clearance
- Scrub Chain to Grabroll clearance (0.5")
- Head shaft - bearings, sprockets and drive chain
- Run and inspect Scrub chains alignment
- Drive Chains oiled & Bearings greased

Wheel and Carrier

- Inspect Wheel for wear, cracks (welds) & loose bolts
- Inspect Wheel carrier for cracks & loose bolts
- Wheel carriers - worn - check bearings
- Drive chain, gear & bearings inspected
- Shoe - worn or bent (running centered)
- Knock outs inspected
- Wheel Cleaner inspected
- Drive Chains oiled & Bearings greased

Boom and Mini-Tank

- Inspect Boom for cracks, wear points & loose bolts
- Tank structure sound (tight, welds & fatigue)
- Chain slides - no breaks or excess wear
- Idler Wheels - check bearings, wear and tightness
- Idler Rollers - check bearings, wear and tightness
- Conveyor Chains worn (over 30 to 50% wear)
- Conveyor Chain Drive sprockets worn (flip?/replace)
- Shafts - bearings, sprockets and drive chains
- Run and inspect Conveyor chain alignment
- Hydraulic motors & pumps - tighten bolts & screws
- Drive Chains oiled & Bearings greased

Structural

- Main Frame Welds, Cracks & Fatigue
- Rear Struts - Tight, Welds, Scrapers & Fatigue
- Rear Wheels - Bearings, Greased and Tire PSI

Misc.

- Inspect all Hydraulics for leaks and worn hoses
- Hydraulic motors & pumps - tighten bolts & screws
- Inspect all electronics for wear points & functioning
- Inspect watering system bent brackets & mounts
- Water system hoses, nozzles, pumps - functioning
- All safety shields in place and functioning