KALAMAZOO INDUSTRIES, INC.

Kalamazoo S8HW (8" x 60") Horizontal Wet Belt Sander – Preventive Maintenance Checklist

Before Startup (Each Use / Daily)

Check box	Description	Sign off (Initials/Date)
☐	Verify guards/doors are closed and secure.	___ / ___ / _____
☐	Inspect abrasive belt for cuts, creases, or damage; replace if needed.	___ / ___ / _____
☐	Set air belt tension to 40–50 PSI; confirm regulator and hand valve operate smoothly.	___ / ___ / _____
☐	Jog belt and verify tracking is centered before switching to RUN.	___ / ___ / _____
☐	Check coolant tank level (16-gal system) and mix; top off with rust-inhibiting coolant.	___ / ___ / _____
☐	Confirm coolant pump primes and coolant flows evenly from splash bar; no leaks at hoses/fittings.	___ / ___ / _____
☐	Ensure work stop/work rest is secure and clearances are correct for the job.	___ / ___ / _____
☐	Clear the area of swarf and obstructions; verify adequate ventilation/lighting.	___ / ___ / _____

After Use (Daily)

Check box	Description	Sign off (Initials/Date)
☐	Release air pressure via the hand valve to reduce belt stretch.	___ / ___ / _____
☐	Wipe down machine surfaces; remove swarf from work area and splash surfaces.	___ / ___ / _____
☐	Visually check for leaks, unusual odors, heat, or noises noted during operation.	___ / ___ / _____

Weekly

Check box	Description	Sign off (Initials/Date)
☐	Clean accumulated swarf from the coolant tank bottom; check/clean pump strainer or inlet.	___ / ___ / _____
☐	Inspect coolant hoses, fittings, and splash bar for leaks or blockages; verify even flow.	___ / ___ / _____
☐	Inspect V-belts for cracks, glazing, or fraying; verify pulley alignment and belt tension.	___ / ___ / _____

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☐	Check tracking mechanism and knob for smooth operation; verify belt runs true at speed.	___ / ___ / _____
☐	Inspect platen/contact area for wear or grooves; vary sanding location during use to reduce wear.	___ / ___ / _____
☐	Check table/work rest, trunnions, and clamps for tightness; verify hardware integrity.	___ / ___ / _____
☐	Function check magnetic starter and 24V pushbuttons (START/STOP/JOG).	___ / ___ / _____

Monthly

Check box	Description	Sign off (Initials/Date)
☐	Drain and replace coolant with proper rust-inhibiting mix; flush 16-gal tank if heavy sludge is present.	___ / ___ / _____
☐	Remove tank covers/guards as needed; thoroughly wipe out swarf and residues from tank and return lines.	___ / ___ / _____
☐	Verify air regulator setpoint (≈40 PSI) and relief function; inspect air lines for cracks/wear.	___ / ___ / _____
☐	Inspect drive and idler pulleys: crown shape intact; replace if crown is worn flat or bearings rough.	___ / ___ / _____
☐	Check sealed bearings for abnormal heat/noise in operation; schedule replacement if needed.	___ / ___ / _____
☐	Check motor mounts; retension V-belts (new belts may need re-tensioning after initial run-in).	___ / ___ / _____
☐	Open/inspect control enclosure exterior for cleanliness/dryness; verify conduit/strain relief is intact.	___ / ___ / _____

Quarterly / 6 Months

Check box	Description	Sign off (Initials/Date)
☐	Flip or replace the steel platen if one face is worn; verify 8" x 13" work surface is flat and true.	___ / ___ / _____
☐	Verify pump performance (adequate flow/pressure to splash bar) and electrical integrity of pump motor.	___ / ___ / _____
☐	Inspect stand/frame fasteners for tightness; look for corrosion, chipped paint, or fatigue.	___ / ___ / _____
☐	Check alignment of pulleys and belt run; correct any tracking drift noted during longer runs.	___ / ___ / _____

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Annually

Check box	Description	Sign off (Initials/Date)
☐	Replace V-belts if wear is evident or tensioning range is exhausted; re-align after installation.	___ / ___ / _____
☐	Comprehensive inspection of hoses, regulator, hand valve, air cylinder, fittings, and seals—replace as needed.	___ / ___ / _____
☐	Evaluate coolant change frequency and swarf load; adjust maintenance intervals to suit production use.	___ / ___ / _____

Notes: Follow lockout/tagout and local electrical codes. Use only rust-inhibiting coolant per manufacturer guidance. See the S8W Series manual for belt tension (40–50 PSI), tracking, coolant, and V-belt inspection details.