

Based on the production data, here are the 3 biggest problems and recommendations:

1. Night Shift Takes the Biggest Hit from Unplanned Downtime (225 minutes) The night shift loses 225 minutes to surprise breakdowns. That's nearly half the shift out the window. The main reason? A sensor went down for 135 minutes straight. It's obvious the crew isn't getting enough preventive maintenance or quick help when things fall apart overnight.

Recommendation: Set up predictive maintenance for sensors and hydraulics. Make sure someone with the right technical skills is always on call, especially at night. That way, you won't end up waiting hours for a fix.

2. Machines Just Aren't Holding Up The top two issues, a hydraulic pump failure (90 minutes) and sensor meltdown (135 minutes) both scream the same thing: these machines are not performing enough. Maybe they're just getting old, or maybe the maintenance schedule isn't working.

Recommendation: Get to the bottom of these failures. Swap out the parts that keep letting you down, and tighten up your maintenance routine. Track every breakdown, so you know which machines are living on borrowed time.

3. No Shift Hits the Production Mark Not one shift reached the target of 640 units. The late shift came the closest at 612, but still missed. So it's not just the big breakdowns time's leaking away somewhere, probably in little delays that add up.

Recommendation:: Dig into the small stops and slowdowns that don't get reported as official downtime. Find out if tools are wearing out, or if material just isn't moving fast enough. That 45-second cycle time target might be a stretch, see if it's even doable. Real-time monitoring can catch these little hiccups before they turn into bigger problems.