



Gideon Guerrero

Senior Mechanical Technician

Hands-on mechanical technician with 12 years of experience maintaining rotating equipment, hydraulic presses, and pneumatic systems across manufacturing and field service settings. Raised equipment reliability by 33.17% across 42 rotating assets by overhauling gearboxes, couplings, and drive shafts on a risk-based priority schedule, while achieving a 91.07% first-time fix rate on compressor and blower repairs by reviewing blueprint specifications and pre-staging correct parts before teardown. Skilled in CAD software, vibration analysis, precision alignment, and multimeter and oscilloscope diagnostics.

Location

Laurel, MS

Phone

(601) 555-0132

Email

gideon.guerrero@example.com

Education

Jones College, Ellisville, MS
2012 - 2014
Associate in Applied Science
Electro-Mechanical Technology

Key Skills

- CAD software
- PLC systems
- Multimeter and oscilloscope diagnostics
- Microsoft Excel
- Hydraulic and pneumatic systems
- Precision measurement and alignment
- Blueprint and schematic interpretation
- Rotating equipment overhaul
- Vibration analysis
- API verification testing standards

Professional Experience

Senior Mechanical Technician, Leaf River Mechanical Services LLC, Laurel, MS
2020 - Present

- Raised equipment reliability by 33.17% across 42 rotating assets by overhauling gearboxes, couplings, and drive shafts on a risk-based priority schedule.
- Extended the service lifespan of 17 centrifugal pumps by 36.13% through a redesigned impeller and mechanical seal replacement program that cut unplanned failures from 9 to 2 per quarter.
- Achieved a 91.07% first-time fix rate on compressor and blower repairs by reviewing blueprint specifications and pre-staging correct gaskets, bearings, and O-rings before teardown.
- Designed 8 customized alignment fixtures in CAD software for motor-to-pump couplings, reducing re-alignment callbacks from 5 per month to 1.
- Recorded test procedures, vibration amplitude, and temperature data for 26 overhaul projects, compiling graphical trend reports in Microsoft Excel for engineering review.

Mechanical Technician II, Tallahala Creek Manufacturing Co., Hattiesburg, MS
2016 - 2020

- Improved equipment reliability on a 34-machine packaging line by 26.41% after introducing quarterly bearing inspections and belt-tension audits.
- Extended conveyor roller lifespan by 28.73% by specifying hardened replacement rollers and adjusting chain pre-load settings per manufacturer blueprints.
- Sustained a first-time fix rate of 89.51% on hydraulic press and pneumatic cylinder repairs, diagnosing root causes with a multimeter and oscilloscope before disassembly.
- Reviewed project instructions and blueprints for 14 redesign proposals, documenting test specifications and recommended changes that reduced prototype iterations by 3 cycles.

Mechanical Technician I, Bogue Homa Equipment Group Inc., Ellisville, MS
2014 - 2016

- Improved first-time fix rate on fan and motor assemblies from 76.1% to 86.3% within the first 10 months by studying equipment manuals and pre-ordering correct replacement parts.
- Extended the operational lifespan of 11 air handling units by 22.17% through scheduled fin cleaning and belt replacement intervals.
- Recorded numerical and graphical data from pressure gauge and amp draw readings on 19 pieces of rotating equipment, flagging 7 units for early bearing replacement.