

Robert M. Garrison

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PROFESSIONAL SUMMARY

Senior Land-based Machinery Technician with over 12 years of experience specializing in heavy agricultural equipment and precision farming systems. Expert in diagnosing complex hydraulic failures and Tier 4 diesel engine repairs. Proven track record of maintaining a 98% fleet uptime for large-scale commercial farming operations through rigorous preventative maintenance programs.

WORK EXPERIENCE

Lead Field Service Technician | Midwest Agricultural Solutions | Ames, IA

May 2018 - Present

- Manage a fleet of 45 high-horsepower tractors and harvesters for a regional service provider.
- Integrated a new diagnostic workflow using John Deere Service ADVISOR, reducing troubleshooting time by 30%.
- Direct the emergency field repair program, achieving an average response time of under 2 hours during peak harvest.
- Overhauled 12 Tier 4 Final diesel engines, extending equipment lifecycle by an estimated 5,000 operational hours.
- Negotiated with parts suppliers to reduce inventory costs by 12% without affecting service speed.

Heavy Equipment Mechanic | Titan Machinery | Omaha, NE

Feb 2013 - Apr 2018

- Performed complex hydraulic and powertrain repairs on Case IH and New Holland machinery.
- Resolved a recurring electronic fault in a fleet of balers that had caused \$15,000 in downtime for a key commercial client.
- Received the 'Excellence in Service' award for maintaining the highest billable efficiency rate (115%) in the branch for three consecutive years.
- Mentored 3 apprentice technicians, all of whom successfully transitioned to level II mechanic roles within 18 months.
- Modernized the shop's welding station, improving fabrication speed for custom mounting brackets by 20%.

Agricultural Equipment Technician | Valley View Farms | Lincoln, NE

Jun 2009 - Jan 2013

- Maintained a diverse fleet of over 60 assets, including sprayers, seeders, and tillage equipment.
- Reduced annual maintenance spend by \$22,000 by establishing a rigorous in-house engine oil analysis program.
- Executed full winter overhauls on combined harvesters, ensuring 0% mechanical failure rates during the 60-day harvest window.
- Managed the installation and calibration of GPS autosteer systems across the entire tractor fleet.

EDUCATION

Iowa State University | Bachelor of Science | Agricultural Systems Technology

Aug 2005 - May 2009

Des Moines Area Community College | Associate of Applied Science | Diesel Technology

Aug 2003 - May 2005

SKILLS

Diesel Engine Overhaul, Hydraulic System Diagnostics, Power Shift & CVT Transmissions, Advanced Welding (MIG/TIG), Pneumatic System Repair, Fuel Injection System Calibration, Precision Ag GPS (CAN bus), Diagnostic Software (Service ADVISOR, EST), ECU Programming, Telemetry Data Analysis, CMMS Software Proficiency, Field Service Management, Safety Compliance (OSHA), Inventory Control, Customer Relationship Management, Schematic Interpretation

CERTIFICATIONS

Certified John Deere Master Technician | John Deere University (Nov 2019)
ASE Medium/Heavy Truck Technician (T1-T8) | National Institute for Automotive Service Excellence (Jun 2015)

LANGUAGES

English (Native)
Spanish (B2 - Professional Working Proficiency)

ACTIVITIES

ASABE Member

Active participant in the American Society of Agricultural and Biological Engineers, staying current on machinery standards.

Local 4-H Technical Mentor

Volunteering to teach local youth about mechanical engineering and engine maintenance fundamentals.