

MICHAEL JANSEN

Diesel and Agricultural Mechanical Technician

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PROFESSIONAL PROFILE

Experienced and trade-tested diesel and agricultural mechanic with expertise in maintenance, diagnostics, and repair of high-value agricultural machinery and vehicles. Proven record of reducing downtime, improving operational efficiency, delivering exceptional client service in high-pressure environments, and demonstrating entrepreneurial leadership in running a mobile mechanic business.

Open to a Junior Workshop Foreman position or other good opportunities to apply my skills and leadership experience.

CORE COMPETENCIES

- Problem solving
- Attention to detail
- Hand tools
- Communication
- Technical
- Diagnosis
- Knowledge of diesel engines
- Safety devices
- Creating work orders
- Customer service
- Hydraulics
- Electrical systems
- Preventative maintenance
- Analytical skills
- Inspecting lighting systems
- Interpreting diagnostic results
- Maintenance services
- Troubleshooting
- Diesel engine control diagnostics
- Routine maintenance

CAREER SUMMARY

Mobile Mechanic Services | Mar 2025 – Present

Mechanic — South Africa

- Assess vehicles and/or machinery to accurately diagnose and repair issues
- Liaise with clients to determine their automotive requirements and communicate vehicular defects or problems
- Provide routine inspections of vehicles and inform clients of any issues
- Prepare quotes and work estimates as requested
- Keep an accurate log of all work performed
- Maintain and clean garage equipment and tools to ensure they are kept in a safe and usable condition at all times
- Adhere to company work safety policies

- Perform basic care and maintenance, including changing oil, checking fluid levels, and rotating tires
- Repair or replace worn parts, such as brake pads, wheel bearings, and sensors
- Perform repairs to manufacturer and customer specifications
- Explain automotive problems and repairs to clients
- Founded and managed a successful mobile mechanic service, demonstrating entrepreneurial initiative
- Led day-to-day business operations including client acquisition, scheduling, and service delivery
- Built strong customer relationships and established repeat business through high-quality service
- Trained and mentored junior assistants in diagnostic and repair techniques
- Implemented business growth strategies to expand service coverage and client base

Gillis Bros | Dec 2024 – Feb 2025

Mechanic — South Africa

- Maintenance and service of planters (Replacing wheel bearings, Hub bearings, Disc openers, Air hoses, hydraulic hoses and SCV on hydraulic system, Row cleaners)
- Maintenance and service of Air seeders (Replacing wheel bearing units, Axles, unit arms, Pins and bushes)
- Maintenance and service of Pick ups (Oil changes, filter changes, lights, brakes and fluids)
- Maintenance and Service of Tractors (Oil changes, filter changes, replacing of hydraulic hoses, Replacing of valves, Front differential and Final drive oils)
- Repair on farm equipment (Cylinder and cylinder seals, bushes, disc, bearings, bearing units, axle and shafts)
- Replacing of disc and toes on tillage equipment
- Operating and repairs, maintenance of Seed tenders (engine tune ups)
- Mechanical repairs of grainery etc Gearbox and fans (Also replacing Augers, Repairs and welding on cleaner, dryers etc)
- Repair and service of Combines (Chaffer replacements, Inspection and repairs of Header wagons - replacing of knives, fingers, auger and reels (Corn and Bean headers), Replacement on Fan belts and Fan drives)
- Repairs on lime buggy PTO, Hydraulic pump overhaul and fixing of equipment cylinder and gates
- Replacing nitrogen bar lines, nozzles and hubs
- Repair of Pivot points (Wheels, pumps and bearing and bushes)
- Replacing of Sprayer nozzles and pressure test of sprayers
- Repair of wheel bearings and final drives
- Welding, Grinding and repairs of chassis
- Working with Gas and fabricating, Brackets and support for equipment

Peterson Farms | Mar 2023 – Dec 2024

Mechanic — United States of America

- Maintenance and service of planters (Replacing wheel bearings, Hub bearings, Disc openers, Air hoses, hydraulic hoses and SCV on hydraulic system, Row cleaners)
- Maintenance and service of Air seeders (Replacing wheel bearing units, Axles, unit arms, Pins and bushes)
- Maintenance and service of Pick ups (Oil changes, filter changes, lights, brakes and fluids)
- Maintenance and Service of Tractors (Oil changes, filter changes, replacing of hydraulic hoses, Replacing of valves, Front differential and Final drive oils)
- Repair on farm equipment (Cylinder and cylinder seals, bushes, disc, bearings, bearing units, axle and shafts)
- Replacing of disc and toes on tillage equipment
- Operating and repairs, maintenance of Seed tenders (engine tune ups)

- Mechanical repairs of grainery Gearbox and fans (Replacing Augers, Repairs and welding on cleaner, dryers etc)
- Repair and service of Combines (Chaffer replacements, Inspection and repairs of Header wagons - replacing of knives, fingers, auger and reels (Corn and Bean headers), Replacement on Fan belts and Fan drives)
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Mobile Mechanic Services | Mar 2022 – Feb 2023

Mechanic — South Africa

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Afgri (John Deere) | Jan 2019 – Feb 2022

Mechanic — South Africa

- Maintained and repaired John Deere machinery including planters, tractors, skid steers and combine harvesters
- Repair and service tractors (oil changes and replacing of all filters)
- Replace gearbox, differential, hydraulic oil
- Replace engine coolant and test and repair coolant system
- Repair of brake system (Change brake pads and disc)
- Diagnose and repair hydraulic system etc pumps valves
- Replace clutches
- Repair and service of Transmissions (Powershift) and IVT
- Repair Front differential
- Repair Propshaft and universal joints
- Adjust engine valves, engine timing and fuel timing
- Rebuild engines and repairs (oil pressure test, compression test) and more
- Test and replace injectors, fuel tank and Fuel pumps

- Replace wheel bearings, kingpin bearings and front end bushes and pins
- Replace all seals including front engine seal, Rear engine seal and diff seal etc
- Replace Hydraulic pumps, steering pumps and steering lines
- Replace and make of hydraulic hoses
- All repairs on John Deere products including - Replacing turbos
- Assembly and repair of final drive
- Test and diagnostics of electrical systems
- Replace or repair of Starters, Alternators and batteries
- Repair of PTO system on tractors and implements
- Replacing of SCV valves
- Grinding, welding and Fabricating as needed
- Diesel fitting parts as needed

EDUCATION & TRAINING

- HTS Drostdy Technical High School — High School Diploma (2018)
- Certified Tractor Mechanic — Artisan Training Institute (Phase 1 & 2, Trade Test 2021)
- Manufacturer-specific training: John Deere, Deutz
- Australian Certificate III in Agricultural Mechanical Technology
- Passed Diesel Mechanic Skills Assessment — Australia