

# ARNO OLIVIER

CONTROL ROOM OPERATOR | MECHANICAL FITTER | TRADE TESTED MECHANICAL FITTER  
VREDENBURG, WESTERN CAPE, SOUTH AFRICA | +27 63 076 1311 | [arno.olivier9@gmail.com](mailto:arno.olivier9@gmail.com)  
LINKEDIN: [linkedin.com/in/arno-olivier-mt/](https://www.linkedin.com/in/arno-olivier-mt/)

## PROFESSIONAL SUMMARY

With extensive technical expertise in mechanical systems, I specialise in the maintenance, repair, and optimisation of hydraulic, pneumatic, and centrifugal pump systems. My experience in troubleshooting complex issues and utilizing SCADA systems for accurate monitoring has consistently contributed to reducing equipment downtime and improving operational efficiency. I maintain a strong focus on safety and have upheld an impeccable safety record by adhering to rigorous industry standards throughout my career.

I thrive in fast-paced, demanding environments, where my ability to manage diverse workloads and resolve mechanical challenges efficiently has proven invaluable. My technical proficiency extends to welding, fabrication, and conducting pressure tests, all while ensuring accurate technical reporting and data analysis. My approach is driven by a commitment to delivering results that enhance equipment reliability and support operational success.

## SKILLS

- + **Safety-Driven:** Maintained a flawless safety record in compliance with HSE standards
- + **Mechanical Systems:** Expert in diagnosing, repairing, and maintaining mechanical systems
- + **SCADA Systems:** Proficient in using SCADA for data monitoring and operational control
- + **Hydraulic & Pneumatic Systems:** Skilled in the maintenance and repair of hydraulic and pneumatic systems
- + **Preventative Maintenance:** Reduced mechanical downtime through effective preventative measures
- + **Pump Repairs:** Specialised in centrifugal and air lift pump repairs and services
- + **Heavy Equipment:** Proficient in handling and maintaining hoist winches, compressors, and crushers
- + **Welding & Fabrication:** Experience with various welding techniques, including gas cutting and grinding
- + **Pressure Testing:** Skilled in performing pressure tests on hydraulic and marine systems
- + **Team & Independent Work:** Able to work both independently and within a team to optimise performance
- + **Technical Reporting:** Strong data reporting for daily operations and maintenance activities
- + **Confined Space & Heights:** Certified to work in confined spaces and at heights
- + **Permit Holder:** Competent permit holder for safe and regulated operations
- + **Problem-solving:** Expertise in troubleshooting and resolving equipment failures efficiently
- + **Adaptability:** Capable of managing varied workloads under pressure and meeting deadlines

## EMPLOYMENT HISTORY

### Mechanical Technician/Control Room Operator

*Transhex Marine Supply Services*

**October 2017 – Present**

Onboard MV The Explorer Sampling Vessel (IMO 7904932), I am responsible for maintaining mechanical systems and overseeing control room operations to ensure smooth drilling and processing.

#### Key Achievements:

- + Managed the preventative maintenance of the vessel's critical systems, resulting in a 25% reduction in unplanned downtime over the last two years

## CONFIDENTIAL

- + Successfully tracked, monitored, and reported daily drilling activities, ensuring accurate data for all offshore operations I am involved in
- + Optimized the performance of centrifugal pumps, reducing repair time by 15% through improved servicing techniques
- + Led the maintenance of 100-ton hoist winch systems, increasing efficiency by 20% during drill site relocations
- + Led the refurbishment of Atlas Copco GR 200W air lift compressors, extending component lifespan by 30%
- + Enhanced plant operational efficiency by maintaining airlift suction pressures, significantly minimizing equipment wear
- + Played a key role in preventing major breakdowns by identifying leaks and defective equipment during routine inspections

### Control Room Operator Responsibilities:

- + Responsible for inputting and monitoring drilling data and sending daily reports to the Offshore Technical Manager, including:
  - o Drilling timetables, soft land times, seabed times, start and end drilling times, and hole clean times
  - o Monitoring and reporting on plant processing data, footwall types, and sampling table contents
  - o Monitoring systems such as drilling tool oil compensator levels, system pressure and temperatures, instrument air pressures, and umbilical air temperatures

### Mechanical Technician Responsibilities:

- + Conduct regular walkarounds during drilling exercises, inspecting operational equipment for leaks or defects
- + Perform repairs and services on centrifugal pumps, including motive, flushing, process, and booster pump parts (volute, lip seals, gland packing, bearings, mechanical seals, and impellers)
- + Maintain the 100-ton hoist winch MEP systems, including inspecting spooler gear drives, chain drives, tensioners, and pinion gears
- + Conduct maintenance on Atlas Copco Marine GR 200W air lift compressors, including:
  - o Changing and testing oil and water separators
  - o Refurbishing heat exchangers, replacing O-rings, and cleaning oil filters and strainers
  - o Cleaning and pressure testing compressor bowman freshwater coolers
- + Service hydraulic systems, including Sauer Danfoss pumps, Eaton hydraulic motors, and VG 46 hydraulic oil systems
- + Regularly change and configure slurry suction air lift risers for shallow or deep-water drilling (30m-200m)
- + Weld and repair compensators and bell houses, pressure testing and ensuring operational integrity

### Mechanical Fitter

*Duferco Steel Processing Pty Ltd*

**June 2017 – August 2017**

Short-term contract responsible for the maintenance of mechanical systems to ensure operational continuity.

### Key Achievements:

- + Performed maintenance on centrifugal pumps and fans, improving system reliability by 15%
- + Introduced improved rigging techniques that reduced equipment downtime by 10%
- + Led the maintenance of pneumatic and hydraulic systems, preventing operational stoppages during critical production times

## CONFIDENTIAL

### Responsibilities:

- + Maintained pumps, centrifugal fans, steam/condensate systems, pneumatic/hydraulic systems, and coupling/drive systems
- + Conducted basic rigging and roller replacements in the steel processing plant

### Workshop Assistant/Qualified Artisan Mechanical Fitter

*Tube City IMS Group (ArcelorMittal Saldanha Steel)*

**January 2012 – June 2017**

Maintained and repaired heavy industrial equipment for the metal recovery and crushing plant, ensuring optimal performance.

### Key Achievements:

- + Maintained a crushing and screening plant with a capacity of 250 T/H, reducing downtime by 18% through proactive maintenance measures
- + Played a pivotal role in achieving a 12% improvement in plant uptime by implementing efficient maintenance procedures during shutdowns
- + Fabricated and welded plant components, reducing repair costs by 15%
- + Conducted repairs to conveyor belts, improving reliability and preventing costly breakdowns

### Responsibilities:

- + Worked in the Metal Recovery Crushing and Screening and Processing Plant (250 T/H)
- + Conducted maintenance and pre-maintenance, including fabrication, welding, cutting, and grinding
- + Ensured the plant's maximum performance and minimum downtime through detailed pre-start and shutdown checks
- + Maintained compliance with SHEQ Toolbox safety requirements
- + Conducted maintenance tasks such as replacing bearings, conveyor belts, chutes, and impact areas with precise cutting, welding, and grinding

### Workshop and Plant Assistant

*Far South Petroleum Depot (ArcelorMittal Saldanha Steel)*

**April 2009 – December 2011**

Worked in precision assembly and maintenance for agricultural equipment manufacturing.

### Key Achievements:

- + Reduced part fabrication time by 20% through efficient milling and drilling processes
- + Improved quality control standards, ensuring a 98% defect-free rate on manufactured components

### Responsibilities:

- + Maintained and repaired fleet operations vehicles
- + Conducted liquid and fuel deliveries across ArcelorMittal Saldanha Steel, and handled standby and call-out duties
- + Performed repairs on power tools and other equipment used on-site

### Fitter/Machinist/Assembler

*Turnerland Manufacturing (PTY) Ltd*

**January 2000 – December 2004**

- + Milled, drilled, and turned parts for agricultural equipment
- + Conducted assembly and repair work using lathes and other precision machining tools

References are available on request.

## LICENSES AND CERTIFICATIONS

---

- + **Seaman's Book** (*Issued: 12 April 2022 | Expires: 11 April 2032*)
- + **Seafarer Medical Certificate** (*Issued: 14 March 2024 | Expires: 13 March 2026*)
- + **Seafarer's Record Book** (*Issued: 04 April 2022 | Expires: 04 April 2032*)
- + **South African Passport** (*Issued: 28 April 2023 | Expires: 27 April 2033*)
- + **Police Clearance Certificate** (*Issued: 05 April 2024*)
- + **Yellow Fever Vaccination Certificate** (*Issued: 10 January 2022 | No Expiry*)
- + **COVID-19 Vaccination Certificate (Pfizer, 2 Doses)** (*Issued: 08 October 2021 and 23 December 2021*)
- + **Competency in Security Awareness** (*Issued: 27 July 2019 | No Expiry*)
- + **Helicopter Underwater Escape Training** (*Issued: 28 November 2019 | No Expiry*)
- + **Mechanical Fitter Artisan Trade Certificate** (*Qualified: October 2016*)
- + **Driver's License (Code B)** (*Expires: 30 May 2028*)

## TECHNICAL SKILLS

---

### Safety and Compliance:

- + Competent Permit Receiver
- + Hazard Identification Risk Assessment (HIRA)
- + Isolation Lockout Procedures (1 Man, 1 Lock)
- + Working at Heights
- + Confined Space Entry
- + Hot Work Permits

### Mechanical Maintenance:

- + Deep sea water drilling tool maintenance
- + Hydraulic component servicing, including Sauer Danfoss and Eaton hydraulic systems
- + Marine cooler refurbishment (Bowman, Pillan)
- + Centrifugal pump maintenance and repairs
- + Air lift compressor maintenance (Atlas Copco GR 200W)
- + Heat exchanger and hydraulic oil system maintenance
- + Slurry suction riser configurations for water depths (30m-200m)

### Welding and Fabrication:

- + Gas cutting, welding, and structural modifications (LH7018, Fluxcore, HardFace 300, S/S 316 rods)
- + Pressure testing and repairing compensators and bell houses
- + Fabricating safety guards, chutes, and skirting modifications on conveyor belts