

Jarrad Cross

A: Treeby, WA, 6164 | M: 0484 742 503 | E: : jarradcross@me.com | Australian Citizen

Marine Engineer & Ballast Operations Professional

A highly skilled and certified Marine Engineer & Ballast Operations Professional with a proven track record of excellence in various maritime operations. Possessing extensive expertise in ballast operations, marine engineering, safety supervision, equipment maintenance, hydraulic dredging, and site management. Demonstrated capability in ensuring compliance with safety standards, optimising equipment performance, and overseeing efficient operations. Adept at coordinating complex projects, managing diverse teams, and maintaining high-quality standards in all aspects of marine operations.

COMPETENCIES

- Ballast Operations
- Marine Engineering
- Safety Supervision
- Equipment Maintenance
- Hydraulic Dredging
- Site Management

CAREER SUMMARY SNAPSHOT

- | | |
|-----------------------|--|
| 2024 - Current | Marine Engineer - Motorman - OSM Thome, WA |
| 2022 - 2024 | Project Supervisor - Maritime Construction, WA |
| 2022 - 2022 | Dredge Master - Hall Contracting, Port Hedland, WA |
| 2018 - 2022 | Dredge Master & Site Supervisor - CGC Dredging Pty Ltd, Henderson, WA |

CERTIFICATIONS, TICKETS & LICENCES

USCG Certifications:

- Offshore Installation Manager
- Barge Supervisor
- Ballast Control Room Operator
- MODU Stability

AMSA Certifications:

- Advanced Firefighting BA Trained
- Proficiency in Survival Craft

Supervisory and Safety Qualifications:

- Basic Offshore Safety Induction and Emergency Training (BOSIET) with Compressed Air Emergency Breathing System (CA-EBS) | 5750
- Surface and Subsea Supervisor Well Control
- H&S Representative (HSR) Oil & Gas
- Marshall Island Reg. Ballast Control Operator
- Master 5
- Marine Engine Drivers 2 Med2
- Supervisor Course
- Workplace Fire Warden

Trade and Technical Skills:

- Certificate III in Mechanical Engineering | MEM30219 - RPL via RTO Intech Institute of Technology | 30100
- Dogman / Rigger
- Scaffolding
- Confined Spaces
- Working at Heights
- Poly Welding
- Chainsaw Operations

Equipment Operation:

- Skid Steer Loader Operator
- Forklift Operator
- Roller Operator
- Frontend Loader Operator
- EWP (Elevated Work Platform) Operator
- Excavator Operator
- Telehandler Operator

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EMPLOYMENT HISTORY

OSM THOME, WA

Marine Engineer - Motorman

Feb 2024 - Present

Role Overview:

- Contracted to Chevron Linchpin and Bhagwan Marine, tasked with overseeing the operational functionality of engines and all systems. Implements routine preventative maintenance on engines and associated equipment to ensure continuous and efficient operations.

Duties:

- Ensure vessel stability by diligently monitoring and maintaining engine functionality and operational systems.
- Participate in emergency drills and swiftly respond to emergency situations according to assigned duties.
- Conduct routine maintenance and lubrication of various machinery and equipment, including engines, pumps, compressors, and mechanical systems, adhering to maintenance schedules and recommendations.
- Operate and oversee equipment and systems related to power generation, propulsion, and auxiliary machinery on the offshore installation. Provide guidance and support to other personnel.
- Collaborate with the engineering and mechanical team in conducting inspections and preventative maintenance (PM) on engines and machinery to uphold optimal performance and reliability.
- Monitor and manage levels of lubricants, greases, and other consumables for machinery and equipment, ensuring strict compliance with safety regulations and procedures.
- Maintain meticulous records of maintenance and lubrication activities, documenting quantities, lubricants used, equipment serviced, and any identified issues during inspections.
- Uphold strict adherence to safety protocols and procedures, actively engaging in safety meetings and training programs to cultivate a safety-oriented work environment. Complete all relevant risk and hazard paperwork.
- Promptly report any incidents, potential hazards, or abnormal situations to supervisors for swift resolution.
- Foster a positive work atmosphere among the crew, promoting teamwork, collaboration, and responsibility.

MARITIME CONSTRUCTION, WA

Project Supervisor

Oct 2022 - Feb 2024

Role Overview:

- Contracted to the Department of Transport for mining operations and shire maintenance, with a focus on dredging waterways for marine safety in various locations such as harbors, boat ramps, tailings dams, and channels. Specialised in off-shore disposal and beach nourishment to enhance coastal environments.

Duties:

- Oversaw and managed the operations and maintenance of dredging plant and equipment, ensuring the safe and efficient running of general site activities, including dredge operations.
- Operated and performed PM on Hydraulic Suction Dredges, including the Cooper II, Mudlark I, and Swan V, equipped with marine diesel engines such as Cummins 19L 448 kW and Caterpillar C18 422 kW.
- Managed the operation and servicing of booster pumps, loaders, work boats (up to 228 kW), and excavators.
- Assembled 12-14-inch pipelines and resolved cutter and pump blockages to maintain continuous operation.
- Conducted refueling of dredges and all associated plant and equipment, ensuring uninterrupted workflow.
- Executed poly welding and chainsaw operations as part of maintenance and construction activities.
- Supervised and directed workers, providing training and ensuring efficient execution of daily tasks.
- Completed daily pre-start checks and servicing of plant machinery, including fuel, lubricants, and fluids.
- Submitted timely and accurate daily and weekly reports, overseeing the completion of upkeep of equipment.
- Managed mobilisations, demobilisations, setup, and movements of pipework, pumps, and equipment, coordinating transport logistics and ensuring compliance with dredging design specifications.
- Maintained a safe working environment, promptly reporting faults, raising maintenance requisitions, and adhering to incident reporting procedures to safeguard personnel, equipment, and the environment.

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HALL CONTRACTING, PORT HEDLAND, WA

Dredge Master

Jan 2022 - Oct 2022

Role Overview:

- Contracted to FMG Port Hedland DMMA, responsible for dredging approximately 4.5 million cubic meters from tailings ponds. Objective: Undertaking dredging operations to remove over 4.5 million cubic meters of tailings over a 2.4 km distance to facilitate the expansion of the iron ore facility.

Duties:

- Spearheaded operations as Senior Operator of 'The Arnhem,' overseeing the Damen Cutter Suction Dredge 500 with a 1299kW main engine and 180 kW cutter, dredging to a depth of 16 meters.
- Guided the work crew through each day, ensuring adherence to safety protocols while meeting production targets and conducting necessary maintenance tasks to sustain operational efficiency.
- Operated excavator for anchor moves, facilitated mobilisations, demobilisations, and setup of equipment, and monitored dredging production and relevant HSEQ (Health, Safety, Environment, and Quality) aspects.

CGC DREDGING PTY LTD, HENDERSON, WA

Dredge Master & Site Supervisor

2018 - 2022

Role Overview:

- Oversaw dredging operations contracted to the Department of Transport, focusing on mining operations, shire maintenance, and marine safety dredging projects. Managed all aspects of dredging plant and equipment operations, ensuring safety compliance and efficient site performance.

Duties:

- Operated and performed PM on Hydraulic Suction Dredges: Cooper II (Cummins 19L 448 kW Marine Diesel), Mudlark I (Caterpillar C18 422 kW Electronic Marine Diesel), and Swan V (Scania DI13 331 Kw Marine Diesel).
- Managed operation and maintenance of Booster Pumps, Loaders, Work Boats (up to 228 kW), and Excavators. Assembled 12-14-inch pipelines and cleared cutter while addressing pump blockages.
- Conducted refueling of dredges and all associated plant and equipment. Executed Poly Welding and chainsaw operations as needed. Supervised, directed, and trained workers to ensure efficient completion of daily tasks.
- Ensured adherence to daily pre-start checks and servicing of plant, fuel, lubricants, and fluids.
- Managed transport logistics of sea containers, pipe racks, etc., and maintained dredging design compliance.

FURTHER CAREER HISTORY

2018 - 2019	High Risk Trade Assistant - Tianqi Lithium Plant, Kwinana, WA
2017 - 2018	Technical Trade Assistant - Ichthys Project Onshore LNG Project, Darwin, NT
2016 - 2017	Trade Assistant - Hays and Workpac, Darwin, Pilbara, and The Kimberley, WA
2011 - 2016	Ballast Control Operator - Atwood Oceanics, Darwin, NT
2008 - 2010	Dogman - Atwood Oceanics, NT
2008 - 2008	Control Room Operator - Iluka, Eneabba, WA
2004 - 2008	Vessel Master & Engineer - Quicksilver, Far North Queensland, QLD

FURTHER TRAINING & DEVELOPMENT

- Maritime and Communication:** GMDSS/Radar/Radio Ticket
- Medical and Emergency Response:** Emergency Medical Technician (EMT) | TBOSIET ERGT Training (FOET) | Bronze Medallion/Bronze Star | Senior First Aid | Isolated Areas Emergency Advanced Care
- Industry Standard Training:** White Card | MARCSTA | MISC | STCW 95 | CSTP
- Diving Qualification:** Dive Master