

# Tyler Duncan Gibson

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## OVERVIEW

Marine Engineer with 3 years of experience in engineering concepts and a diversified background in such areas as oil and gas services and operations for the Department of Defense. Proven technical knowledge plus a professional attention to detail, leadership, and tremendous asset to any organization. Strengths include solid communication and problem solving skills plus adapting to change.

## EXPERIENCE

### **Military Sealift Command - Temporary 2<sup>nd</sup> Assistant Engineer** **Middle East/Africa** **Military Logistics and Support** **2017 - Present**

- Operated and maintained ships auxiliary boilers, diesel generators, fuel systems, and waste oil, on a the USNS Kananwha rated at 34,442 HP, 31,200 tonnage and 677ft long
- Participated in the 2017 Vessel Repair and supervised a 6-man team to replace and test 42 fuel oil injectors for main propulsion engines and ships service diesel generators
- Responded to an excess bilge alarm as the duty engineer in which a salt water pipe burst flooding the engine space with 30 tons of water, resolved according to procedures
- Restructured equipment repair and maintenance procedures to reduced man hours used by 25%

### **Military Sealift Command - 3<sup>rd</sup> Assistant Engineer** **Europe/Middle East/USA** **Military Logistics and Support** **2016 - 2017**

- Supervised 7 contractors on the auxiliary boiler systems and a main propulsion engine overhaul during the 2016 MTA shipyard repair period at Detyens Shipyard
- Trained 7 new Assistant Engineer Officers in ship board procedures, engineering concepts, and their respected engineering duties over a 12 month period
- Administered the emergency procedures for +/- 10 RPM fluctuations on the port main propulsion engine while standing as duty engineer
- Cross trained 3 other engineer's on responsibilities and specializations to ensure that day to day operations and procedures could be continued 24/7 unimpeded

### **Edison Chouest Offshore - 3<sup>rd</sup> Assistant Engineer** **Gulf of Mexico** **Deepwater and Subsea Support** **2014 - 2016**

- Managed 14 operations and evolutions during a daily 12-hour watch shift with an unlicensed crew member helper
- Planned and documented machinery repairs such as the replacement and programming of 4 programmable logic computer units for motor controllers
- Oversaw the safe loading of liquid cargo such as drilling fluids, fuel, and dry bulk and ensured that all safety and environmental procedures were being followed
- Trained and instructed 20 new personnel over a 6-month period on shipboard familiarization and machinery operation procedures

### **Totem Ocean Trailer Express - Engineer Cadet** **Gulf of Mexico** **Maritime Shipping and Transportation** **2014 - 2014**

- Conducted boiler chemistry to keep total dissolve solids below 1,500 ppm, PH levels between 5-13, and phosphates between 5 – 40 ppm to prevent boiler corrosion
- Worked with the ship's electrician with monitoring and troubleshooting 200 cargo container refrigeration systems
- Completed boiler soot blower operations on 2 propulsion boilers to maintain clean surfaces for maximum heat transfer for steam generation

**Training Cruise - Engineer Cadet  
Senior Training Cruise**

**Gulf of Mexico  
Summer of 2013**

- Taught and led 2 Sophomore level cadets in engine room operations, procedures and routine preventive maintenance
- Performed the duties and watch keeping standards of a 3<sup>rd</sup> Assistant Engineer on 4 power generation systems and 2 propulsion systems related to the ship
- Completed repairs and overhauling of a cylinder head on the #1 ship service diesel generator

**Ocean Shipholdings, Inc. - Engineer Cadet  
Contracted Operated Vessel for Military Sealift Command**

**Northern Mariana Islands  
Summer of 2011**

- Presented a 112 pg sea project documenting the ship's auxiliary, propulsion, power generation systems, day to day operations and special projects to a panel of 4 engineers and teachers
- Designed and fabricated a new platform for an acid wash system for 2 salt/fresh water heat exchangers to prevent the growth of marine life

**Training Cruise - Engineer Cadet  
Sophomore Training Cruise**

**Asia Pacific  
Summer 2010**

- Completed 40 STCW requirements for 3<sup>rd</sup> A/E Officer license while learning watch keeping standards and practical engineering concepts
- Demonstrated the knowledge to operate and perform general preventive maintenance on 12 auxiliary and propulsion systems related to the ship through hands on training

**SKILLS**

Microsoft Office  
Microsoft Project  
AutoCAD  
ProE

**EDUCATION**

Texas A&M University at Galveston  
Bachelor of Science - Marine Engineering Technology License Option  
Cadet in the Texas Maritime Academy

**CERTIFICATIONS**

1st Assistant Engineer License – Unlimited Horse Power Motor  
Secret Level Security Clearance  
Vessel Security Officer  
High Voltage Safety  
Electro – Technical Officer