

# Salah Eddine Chacha

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## EDUCATION

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<b>Bachelor degree in mechanical construction</b> <i>university of kasdi merbah (Ouargla - Algeria)</i>	2016-2019
<b>Master degree in mechanical and production manufacturing</b> <i>university of kasdi merbah (Ouargla - Algeria)</i>	2019-2021

## PROFESSIONAL EXPERIENCE

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**SONATRACH** | *Mechanical Technician II* 11/11/2020 - Present

Roles :

- Planned assemblies, installed, and maintained pipe systems and related hydraulic and pneumatic equipment, and repaired and replaced gauges, valves, pressure regulators, and related equipment.
- Listened for unusual sounds from machines or equipment to detect malfunctions and discussed machine operation variations with supervisors or other maintenance workers to diagnose problem or repair machine.
- Completed preventative maintenance, corrective repair and breakdown repair tasks ranging from the basic to complex, including hydraulic and electrical troubleshooting, replaced components, evaluating repairs and damage, rebuilding and remounting equipment, performing diagnostics and structural repairs on critical components.
- Review the centrifugal compressor.
- Overhauling the centrifugal pumps.
- Assembly and disassembly of electric motors.
- Aligning rotating machines.
- Valve calibration and mechanical valve testing.
- Overhauling and repairing Gearboxes.
- Repairing positive-displacement pumps.
- Evaluate equipment and machine operation for repair needs.
- Install new industrial equipment and calibrate for optimum performance.
- I'm responsible for maintaining production equipment, troubleshooting, welding, new equipment installation, blueprint reading, lubrication, hydraulic, and pneumatic systems.
- I'm trained in overhead crane maintenance and inspection.
- I'm also trained in the operation of heavy equipment.

**SCHLUMBERGER** | *Internship* 6/2020 - 09/2020

- Knowledge of inspection techniques and equipment ensures that machined parts meet the required specifications and tolerances.
- Provide timely corrective actions on all assigned defects and issues.
- Utilize CAD software and engineering principles to design and modify elastomer molds, manufacturing tools, and equipment, ensuring precision and efficiency.
- Learn new skills and adopt new practices readily in order to develop innovative and low-cost products that maintain Schlumberger's technical position.
- Coordinate with manufacturing staff involved in the production and analysis process of rubber seals, offering effective solutions for molding issues.
- Conduct meticulous technical reviews of equipment, requirements, and specifications.
- Prepare technical documentation and provide the service necessary for the repair group and other departments.
- To ensure all work is undertaken in a safe manner in line with company health and safety guidelines
- Excellent communication & interpersonal skills including presentations, meetings and via written communication.

- Inspected and tested equipment, machinery and components to diagnose issues, recognize defects, and determine appropriate repairs.
- Frequently diagnosed mechanical problems and determined how to correct issues.
- Resolved mechanical issues using both technical and manual skills.
- Be proficient in the use of hand and power tools used in industrial mechanic trade.
- Utilize dial gauges and micrometers for precise measurements.
- Write and maintain standard operating procedures and Job Safety Analysis.
- Perform other job-related projects and assignments as assigned by the direct supervisor/manager.
- Erect, install, and maintain machinery.
- Clean and maintain work area.
- Turn off and lock out equipment when not in use.

## CERTIFICATES

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### **Certificate of Completion : Pump Operator and Maintenance Training Course.**

*By Flowerserve. 21/06/2021 - 24/06/2021*

### **Certificate of Completion : Trillium Gabbioneta Products and Pump Basics**

*By Trillium Flow Technologies. 14/06/2021 - 18/06/2021*

### **Certificate of Completion : Aligning rotating machine.**

*By the Algerian Petroleum Institute (IAP). 06/12/2020 - 10/12/2020*

## SKILLS

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- Bearing installation and removal
- Blower rebuild experience.
- Machine Operation
- Diagnosing faults
- Familiarity with 2D or 3D engineering design and manufacturing tools (CAD) : Solidworks, AutoCad.
- Technical Drawings and Documents.
- Microsoft Office software products.
- Generating FEA (Finite Element Analysis) reports.
- Centrifugal compressor and pump rebuild
- Maintenance expertise
- Predictive and Preventive Maintenance
- Repairs and troubleshooting
- Safety procedures
- Mathematical computing and analysis tools knowledge : Matlab, Excel.
- Solid understanding of core concepts including mechanics, kinematics, thermodynamics, materials science etc
- HSE Guidelines and quality standards.
- Defensive driving

## LANGUAGES

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- Arabic (Native language).
- English (Full professional proficiency).
- French (Professional working proficiency).