

# Earl Sproul

## Certified Welder/Mechanical Engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Earl-Sproul/3f5b9b9a83daf204](https://www.indeed.com/r/Earl-Sproul/3f5b9b9a83daf204)

I am a self starter, articulate, reliable, honest & hardworking, where I like to take pride in a job well done

### WORK EXPERIENCE

#### **Mechanical Maintenance Engineer**

Passiac Terminal - Newark, NJ - October 2011 to March 2012

Waste Water & Bio Diesel Energy Plant Maintenance Mechanic Engineer & Boiler Operations, Typical projects include industrial wastewater treatment systems, environmental and pollution control systems, facility designs, pump stations, material handling and storage systems, process systems evaluation and recommendations, and automated chemical process systems. Design packages include multiple engineering disciplines, including piping systems, steel structures, equipment design, and automated control systems. PLC's Electronic Controls, electrical running & testing of wiring, maintaining, installation & repairs of machinery & equipment, track piping & trouble shooting, testing research, site plans, grading plans, process flow diagrams, piping & instrumentation diagrams, and civil/mechanical design & calculations and data interpretation & daily preventive maintenance, while reordering inventory & supplies with assorted fabrications w/ Power Point, Excel, Professional Office Microsoft, Solid works, Work Station & Micro station V8i, MEP Revit, Autodesk & Bentley BIM Environment AutoCAD

#### **Chemical Mechanic**

Polar Service Center - Bensalem, PA - May 2011 to August 2011

Mechanic Welder/Chemical Tractor Tankers Mechanic Performing daily trouble shooting & maintenance w/ the addition of repairs on Tractors, PM, FHWA, VIK Inspections, pressure testing, electric, brakes, seals, drums, equalizers, struts, pneumatic air systems & assorted welding fabrication repairs on chemical carrying tankers & tractors

#### **Pipeline Welder**

ASRC Energy Services - Anchorage, AK - January 2009 to April 2011

Pipeline Welder/Engineer- Working on the pipeline & other various assignments performing the full range of journey-level pipe welding vertical uphill & downhill processes throughout the country and applying all aspects of welding procedures, including preheat temperatures, electrode selection, welding process, cutting torch burning and quality control specifications in accordance with the specific metallurgical properties of the material involving basic rigging procedures and structural steel fabrication, construct and modify piping systems and process equipment using engineering disciplines by survey, calculations & AutoCad, while maintaining records of work orders and materials used.

#### **MIG/TIG Welder**

Logistics Operation Systems - Horsham, PA - April 2008 to December 2008

Pa. 19044, Tommy Lasalle (215)421-8640. Working with Logistics Operation Systems and component accessories by means of blue prints, measuring devices and welding techniques on thin gauge Stainless, Carbon and Aluminum Steel, while keeping a study flow of pace on each particular project by using computer system programs for logging on & off each job to document progress.

#### **Repair Welder**

Gamesa Wind US - Fairless Hills, PA - January 2007 to January 2008

19030, Ken Truitt, (215) 917-9959. Sub Arc Programmer on energy circular towers and Repair Welder assembly of wind towers for natural energy plant suppliers promoted to hire division for any repairs needed in order for sections to pass UT Inspections with the additions of PT inspections: using processes such as metric measurements, lay out of brackets and defects to be repaired, by means of SMAW, GMAW and FCAW also as an employee trained in medical first responded.

### **Mechanical Pipe Welder**

Joule Industrial Contractors - Gibbstown, NJ - February 2004 to November 2006

Bill Robb. Primary function as a repairer Maintenance Mechanic during shut down operations across the country and locally to over haul systems, also track pipe fittings and welding for Industrial refrigeration systems and structural steel fabrications, with the additions of conveyor belts, hopper repairs on boiler furnaces for recycle and assorted energy plants machinery repairs, by means of schematic and blue print drawing and obtaining on the regular hot permits needed for hot work and confine space operations by means of GMAW, GTAW, SMAW and mechanical with electrical instruments, hydraulics, pneumatic systems and supervising others with process of following OSHA safety codes

### **Structural Steel Welder/fabricator**

Formula Steel Fabricators - Philadelphia, PA - June 2003 to February 2004

Dale Fera Jr. (215)989-8384. Doing lay-outs, fit ups from blue prints, welding: GTAW, SMAW and GMAW procedures, pressing, burning, shearing and sawing on structural steel, pipes, tubes, vessel heavy equipment, handrails, stairs, window guards, columns and misc., working with overhead crane operations and erecting crane installation in shop as well as out in the field..

### **Mechanic Journeyman, ODESSEY**

Waste Removal - October 2002 to April 2003

Phila. Pa. Maintained a fleet of tractor & trailers of twenty five, keeping a daily report on full extent of mechanical work performed and inventory with the addition of being their welding specialist.

### **Mechanic Journeyman**

HOLT CARGO - November 2000 to October 2002

28 pier Columbus Blvd. Phila. Pa. PM inspections on vans & chassis and doing whatever repairs also welding specialist from front bolster to rear, air systems, refrigeration units, electrical, brake, cross members within a union shop.

### **40 hour per week, Welder**

Kvearner Philadelphia Shipyard, Philadelphia Naval Business - Center, PA - September 1998 to October 2000

Jon Nash (SHIP BUILDER) - Lead welder with management training, certified SMAW, FCAW, GTAW and ceramic welding, while training other welders with procedures within inner bottom section of the ship in the G2, G3 and G4 position, using overhead crane operations with the addition of programming processes and burning on large panel.

### **Structural Steel Welder/fabricator**

Formula Steel Fabricators - Philadelphia, PA - March 1993 to September 1998

Dale Fera Jr. (215)989-8384. Doing lay-outs, fit ups from blue prints, welding: GTAW, SMAW and GMAW procedures, pressing, burning, shearing and sawing on structural steel, pipes, tubes, vessel heavy equipment, handrails, stairs, window guards, columns and misc., working with overhead crane operations and erecting crane installation in shop as well as out in the field..

**Pa. Mr. Abbott Sr. General welding and maintenance**

Miller St. Phila - July 1991 to February 1993

Pa. Mr. Abbott Sr. General welding and maintenance on misc. & boiler repairs replacing fire tubes, bricks, gauges and cleaning with replacement of fill caps in shop as well as in the field of commercial sites.

**EDUCATION****BS in Mechanical Engineer**

Penn Foster College - Scottsdale, AZ

2011 to 2015

**Black Seal License in Low/High Pressure Boilers & Chillers**

Boiler Training Center - Kensworth

2012 to 2012

Delaware County Community College - Broomall, PA

February 1999

**BA in Undergraduate Engineer**

Temple University - Philadelphia, PA

1987 to 1989

**Metal Fabrication Studies**

Airco Technical Institute

February 1985 to August 1985

**Diploma in Math, English, Social Studies, Spanish**

Benjamin Franklin High School

November 1981 to June 1984

**Vocational in Math, English, Social Studies, Spanish**

Bok Technical Vocational School

September 1979 to November 1981

**LINKS**

<http://www.ezmoneyimprovementsLLC.com>

**ADDITIONAL INFORMATION****Other Skills & Achievements**

Industrial maintain, install and troubleshoot process equipment systems comprised of vacuums pumps, agitator, heat exchangers, tanks, reactors, various chemical processing alloy piping systems, valves and other mechanical systems, monitoring, repair, maintain machinery with documentation of field mechanical equipment including plant safety systems and power systems, ability to work independently with minimal direction within a team environment, familiar with OSHA PSM guidelines and regulations, familiar with preventive and predictive maintenance task, familiar with CMMS systems, welding specifications, experiences in reviewing and interpreting engineering drawings, P & ID's, plan with elevation drawings, isometric drawings and vendor installation documents with the ability to comprehend welding fundamental concepts with tensile strength, HEZ, basic math-matics, algebra and geometry, forklift driving, pilot jack operations w/ repairs, spot, stud, slotted,

plug pipe, silver soldering, braze welding and programming of different machinery with the different electrical and conventional measuring tools desired to complete task, Crane Operations, high reach lifts with the addition of architectural auto cad design drawing, efficient with computer micro-soft, excel and other programs also a team player who is people oriented.