

# JOB DESCRIPTION

Facility: TBEI,, Tishomingo Plant  
Business: Manufacture of dump truck bodies

## Job Title: Welder

FLSA: Hourly  
Supervisor: Production Manager

### Essential Duties:

- Using jib boom, crane, conveyors or manual lifting, move components into proper position.
- Lay out, position, and align truck body components using blueprints.
- Clamp and/or tack weld parts to secure in position for welding
- Measure to ensure accuracy
- Using a wire-feed welder, join components ensuring quality weld
- Perform routine preventive maintenance on equipment as assigned.
- As a condition of employment, work all assigned days and shifts and overtime as required.

### Job Duties by Task:

- Seam Welder - Using a jib boom, move body floors onto conveyor, position floor pieces under seam welder, tack weld ends of floor seam, monitor and adjust seam welder to ensure welding is in correct position, grind weld to even edges, flip floor using crane.
- Floor Brake - Move material to brake area using overhead crane; following written instructions, set up brake to form metal to specifications.
- Floor Press - Using crane, move floor onto conveyor; using jib boom, position subframe onto floor; measure to ensure accurate fit; position floor and subframe under press; spot weld subframe to floor. Occasionally, may need to use cutting torch to adjust parts to fit.
- Hardware - Cut and thread rods with saw; thread with threading machine; weld together parts for supports; weld onto body floors; cut rods as needed; use drill press as needed; assist welders in side hanging as needed; stock parts to welders.
- Side Hanging - Assemble and weld parts to form latch; using jib boom, move side into place; position side onto floor, measure, clamp and weld; position assembly into flipper and flip upright.
- Middle Weldout - Ensure all gaps are closed by fitting parts and welding together; weld around edge of floors, sides and front heads; weld closure plates and pockets as needed
- Head Hanging - Measure space for front head, using cutting torch, cut out area for fitting; using jib boom, move front head into position, hammer and clamp into place; weld front head to body; weld pockets and closures as needed; attach hook and chain.
- Tailgate Hanging - Using jib boom, position tailgate onto truck body; measure to ensure proper fit, clamp, weld hinge into place; adjust latches (requires laying on floor

under body and using hand tools to fasten bolts); use blocks to adjust gaps; use cutting torch to heat metal for fit adjustment.

- Side Tack-Up - Tack weld parts onto body sides; measure to determine proper alignment; search for parts in Fabrication; use brake press and cope to form parts according to print specifications.
- Side Weld-Out - Using a job boom, move body side onto fixture; weld parts that have been tacked. Weld appearance is very important.
- Innerlace - Using a jib boom, move long members onto fixture; measure and position according to print specifications; tack and weld parts onto long members; using overhead crane, move subframe off fixture.
- Dog House Building - Using jib boom, position front head base onto fixture; tack weld parts to base according to print specifications; measure to ensure proper fit; using jib boom, move completed doghouse to Middle Weldout for attachment to body.
- Tailgate Tack-Up - Starting with basic tailgate, tack weld parts according to print specifications; measure to ensure proper fit; pray prime some pieces prior to welding; use chain cutter to cut pull chain to proper length.
- Tailgate Weld-Out - Using jib boom, move tacked tailgate onto fixture. Complete welds. Weld appearance is very important. Move completed tailgate onto conveyor.

#### **Qualifications:**

- *Educational:* No specific requirement
- *Experience:* Familiarity with welding process preferred.
- *Skills:* Demonstrated ability to operate MIG welder, with or without training; ability to read and interpret a tape measure, ability to understand measurements and angles, and read and interpret blueprints.

#### **Environmental Conditions:**

- Inside/Outside: 95% inside, 5% outside
- Temperature: Dependent on weather, minimal heating and air conditioning
- Humidity: Dependent on weather
- Noise or Vibration: Up to 95 db; personal protective equipment required
- Hazards:
  - Finger/Hand - Cuts, abrasions & burns (PPE: Cotton gloves)
  - Foot - Crush & contusion (PPE: steel toe shoes)
  - Eye - Foreign objects, flash burn (PPE: Safety glasses, welding hood when exposed)
  - Face - Burns, metal fragments (PPE: welding hood or grinding shield when exposed)
  - Hearing - Exposure to > 90 db (PPE: hearing protection)