



NIAGARA POWER TRANSFORMER

Powering Possible.

FUNCTIONAL JOB DESCRIPTION

TANKING FULL TIME

8H DAY | 40H WEEK | 30M LUNCH | OCCASIONAL OVERTIME

GENERAL DESCRIPTION OF DUTIES

JOB DUTIES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING

- Perform mechanical operations necessary in transformer assembly, tanking and wiring
- Read and interpret prints, wiring schematics and written instructions
- Usage of various electrical devices to test control wiring
- Work off of ladders, lifts and scaffolds
- Ability to work on high platforms and in tight spaces
- Use tools such as saws, grinders, drill presses, etc., safely and with efficiency
- Lay out, cut, thread and bend conduit
- Solder, braze, aluminum weld and pass a test for certification
- Candidate will be trained in the use of fork trucks and cranes
- Interpret and carry out verbal instructions from designated persons or supervisors
- Ability to meet the company's standards for safety, quality and quantity of work
- Must have own tools

ESSENTIAL MINIMUM PHYSICAL DEMAND JOB REQUIREMENTS

DEXTERITY

- High level of hand coordination for tool use
- High level of hand coordination to perform assembly activities
- Above average grip strength for tool use
- Above average pinch strength for lifting core steel

AGILITY-MATERIAL HANDLING

- Lifting coils from floor to waist weighting up to 80 lbs occasionally
- Lifting man hole covers weighing up to 60 lbs

POSTURAL

- Standing continuously
- Walking frequently
- Working above shoulder height frequently
- Forward bending in standing frequently
- Rotation in standing frequently
- Working in confined spaces occasionally
- Ladder climbing frequently
- Mobile stair climbing frequently

PHYSICAL DEMAND CHARACTERISTICS OF WORK FOR THE POSITION OF TANKING

DEMAND LEVEL	O = OCCASSIONAL 1–33% OF WORKDAY	F = FREQUENT 34–66% OF WORKDAY	C = CONTINUOUS 67–100% OF WORKDAY
SEDENTARY	0–10 LBS	NEGLIGIBLE	NEGLIGIBLE
LIGHT	11–20 LBS	0–10 LBS	NEGLIGIBLE
MEDIUM	21–50 LBS	11–20 LBS	0–10 LBS
HEAVY	51–100 LBS	21–50 LBS	11–20 LBS
VERY HEAVY	OVER 100 LBS	51–100 LBS	21–50 LBS

PHYSICAL DEMAND STRENGTH RATING: HEAVY

NON-MATERIAL HANDLING ACTIVITIES	N	O	F	C
CRAWLING		⚡		
SITTING			⚡	
STANDING				⚡
WALKING			⚡	
STAIR CLIMBING		⚡		
LADDER CLIMBING			⚡	
BALANCE				⚡
CROUCH		⚡		
REPETITIVE SQUATTING		⚡		
KNEELING		⚡		
REACHING FORWARD			⚡	
REACHING OVERHEAD			⚡	
FORWARD BENDING - SITTING	⚡			
FORWARD BENDING - STANDING			⚡	
STATIC BENDING			⚡	
FOOT OPERATION - LEFT ONLY	⚡			
FOOT OPERATION - RIGHT ONLY	⚡			
FOOT OPERATION - BOTH/EITHER	⚡			
STEPPING UP/DOWN		⚡		

LIFTING	FORCE	N	O	F	C
0–10 LBS				⚡	
11–25 LBS				⚡	
26–35 LBS				⚡	
36–50 LBS			⚡		
51–75 LBS			⚡		
76–100 LBS			⚡		
100+ LBS		⚡			
PUSH FORCE UP TO 50'	30 lbs		⚡		
PULL FORCE UP TO 50'	30 lbs		⚡		

CARRYING	DISTANCE	N	O	F	C
0–10 LBS	UP TO 10'		⚡		
11–25 LBS	UP TO 10'		⚡		
26–50 LBS		⚡			
51–75 LBS		⚡			
76–100 LBS		⚡			
100+ LBS		⚡			

N = Never | O = Occasional | F = Frequent | C = Continuous

HAND/ARM USE	N	O	F	C	LEFT ONLY	RIGHT ONLY	BOTH/DOMINANT
PINCH			⚡				⚡
GRIP			⚡				⚡
FINE MANIPULATIONS			⚡				⚡
FINGER PRESS			⚡				⚡
KEYBOARD		⚡					⚡
TAMPING			⚡				⚡
TOOL USE				⚡			⚡

N = Never | O = Occasional | F = Frequent | C = Continuous

EXPOSURES	
NOISE 82db (a)	⚡
DUST	
DAMPNESS	
WHOLE BODY VIBRATION	
VIBRATION: HANDS	⚡
CHEMICALS	
JARRING	⚡
CONFINED SPACE	⚡
COLD < 45°F	
HEAT > 85°F	
HEIGHT < 3'	⚡
HEIGHT > 48"	⚡

SENSORY FUNCTIONS ESSENTIAL FOR SAFETY	
LIGHT TOUCH	⚡
DEPTH PERCEPTION	⚡
WRITING	⚡
SPEAKING	⚡
COLOR DISCRIMINATION	⚡
SEEING	⚡
HEARING	⚡
READING	⚡
WORK INDEPENDENTLY	⚡

PROTECTIVE EQUIPMENT REQUIRED	
FOOT PROTECTION HARD SOLE NON-SKID WORK SHOE	⚡
EYE PROTECTION	⚡
HEARING PROTECTION	⚡
N95 RESPIRATOR OR PAPR	
GLOVES	⚡
FALL PROTECTION	⚡

SKILLS OR SPECIALIZATION REQUIRED

- Must be able to safely work with power tools
- Must be able to follow directions and read instructions
- Good math skills, able to read a tape measure and take accurate measurements

PHYSICAL DEMAND CHARACTERISTICS

This job is rated **heavy**. This rating is set forth by **The United States Department of Labor**.