

El Paso County Water Improvement District #1
Job Specification

Position Title: Diesel Mechanic
Department: Maintenance
Grade Level:
Wage Schedule: Non-Exempt

Summary

Under general supervision of the Head Mechanic, as a journeyman level mechanic provide maintenance and repairs of district diesel vehicles and equipment; perform related duties as assigned.

Essential Functions

Repair and maintain diesel engines, using hand tools, precision measuring instruments, and machine tools; perform preventive maintenance and/or repairs to the fuel, ignition, electrical, braking, air conditioning, and other systems in vehicles (including tractors) and power tools to ensure that district equipment is maintained in a safe and operational condition; repair hydraulic equipment using hand and special tools to provide functional equipment at all times; inspect, repair, change and rotate tires on vehicle equipment to maintain safe and operational; use various test equipment like pressure tester, timing light, battery charger, volt meter, a/c leak detectors, etc., to diagnose problems; inventory, order parts for equipment and tools.

Use welding equipment to repair or fabricate items for heavy equipment, tools, signs and other equipment; drive a wrecker truck to retrieve broken down equipment from the field; sharpen mowing blades to maintain the condition of equipment.

Perform preventive maintenance and diagnose malfunction of equipment using electronic or mechanical testing equipment and perform repair for restoring operational readiness of equipment; inspect vehicles periodically to ensure that trucks and equipment are in good working condition; remove, disassemble, rebuild, repair, assemble and install units such as transmissions, engines, hydraulic control units, pumps, seals, hoses, clutches and brakes using power hoists and other tools.

Tunes and adjusts parts and settings to enhance the performance of equipment; make service calls on heavy equipment in the field to perform repairs; troubleshoot electrical systems and air conditioning systems using schematics to perform repairs as needed; accurately document labor hours and parts used in repair and maintenance activities.

Minimum Qualifications

Training and Experience: Graduation from high school or G.E.D. and five (5) years experience as a mechanic supplemented by specialized training and experience as a diesel mechanic; or equivalent combination of training and experience.

Knowledge, Abilities and Skills: Thorough knowledge of hand, pneumatic, and electric tools used in automotive repair; thorough knowledge of the materials, tools, and principles used in the repair and maintenance of heavy equipment such as tractors, compactor, draglines, backhoes, earth movers and other heavy construction equipment.

Ability to diagnose and plan the repair of a wide variety of mechanical problems in gasoline and diesel powered vehicles and equipment; ability to read and understand automotive and mechanical repair manuals used in the repair of automotive machinery; ability to used discretion in choosing proper tools and materials to perform repairs; ability to understand and follow work orders, repair manuals, and other oral and written instructions.

Skill in repairing hydraulic controls and electrical systems.

Physical Requirements and Working Conditions: Requires frequent kneeling, stooping, crawling, extended standing and lying on a creeper. Often works in a non-climate controlled environment exposed to noise, petroleum distillates, dust and dirt.

May be exposed to electrical shock hazards and toxic chemicals as well as physical danger associated with automotive repair; works in shop area or in the field. Exposed to temperature extremes all weather conditions noise, fumes from vehicles, dirt and grease.

Stands and lies on hard surfaces or in muddy areas in the field; subject to lifting and handling of heavy components and parts; walks, lifts, climbs, pushes, pulls, bends and stoops. Lift 50 - 80 lbs. routinely.

License and Certificates: Class "B" Texas commercial driver's license required.

Other Characteristics: Subject to call back during water season and working flexible hours, weekends, holidays and extended hours. Subject to federal drug and alcohol testing regulations, which include pre-employment, post-accident, reasonable suspicion, random, return to duty and follow-up testing.

This job specification lists the major duties and requirements of the job and is not all-inclusive. Incumbent(s) may be expected to perform job-related duties other than those contained in this document.

Revised 10/05