

## EAST BAY REGIONAL PARK DISTRICT

### SENIOR EQUIPMENT MECHANIC

#### GENERAL FUNCTION:

Under supervision, performs skilled inspection, maintenance, and repair work on motor vehicles, construction equipment, large trucks, power equipment, and other machinery.

#### PRINCIPAL DUTIES AND RESPONSIBILITIES:

This position is responsible for a variety of complex and technical work in the inspection, overhaul, maintenance, and repair of gasoline and diesel-powered vehicles, machinery, and power and construction equipment. The duties to accomplish this may include, but are not limited to, the following: inspects, diagnoses, repairs, overhauls, and installs motors, transmissions, differentials, steering mechanisms, pumps, vacuum boosters, air brake systems, and running gears; inspects, installs, repairs, and adjusts parts, such as clutches, brakes, bearings, pistons, rings, rods, timing gears, oil and fuel pumps, filter units, superchargers, and ignition components; repairs, modifies, and overhauls reduction gears, hydraulic and braking systems, steering systems, cooling systems, electrical systems, and similar units; develops improvements required for equipment chassis drive trains, hydraulic systems, etc. to meet District operating and safety requirements, to include modifying equipment and fabricating parts; repairs various body and chassis parts and a wide variety of specialized mechanical parts, such as crawler tracks, winches, bulldozer blades, loader scoops, lift cables, hydraulic lift units, etc.; uses stick, wirefeed, carbon-arc, and acetylene welding equipment; diagnoses and repairs hydraulic system components including control, check, and diverter valves and develops and builds such systems as needed for improved operation; reads and interprets mechanical drawings, specifications, and shop manuals; performs preventive maintenance work on heavy trucks and heavy construction equipment, and makes emergency repairs in the field; confers with equipment operators to determine operational problems and recommends methods to minimize breakdowns and repairs; provides estimates on labor and parts needed to perform special modification and repair work; maintains and repairs light equipment, such as portable pumps, portable gasoline generators, and mowing machines; operates and maintains hand and power tools, welding apparatus, such as stick, wirefeed, carbon-arc, and acetylene, and other shop equipment necessary to the work; performs test operation and incidental lubrication of equipment repaired, making final adjustments as needed; prepares and keeps time/cost and maintenance records; repairs inoperative vehicles in the field or tows work to the shop; operates smog machines and performs smog tests; perform related duties as assigned.

#### MINIMUM QUALIFICATIONS:

Education: Equivalent to completion of the twelfth grade, and

Experience: Four years of recent journey level experience in the repair of diesel and gasoline-powered equipment, or have completed a four-year apprenticeship program as outlined by the State of California and worked two years at the journey level.

OR AN EQUIVALENT COMBINATION OF EDUCATION AND EXPERIENCE

#### KNOWLEDGE, SKILLS & ABILITIES:

Knowledge of the principles of gasoline and diesel-powered engines and equipment, the methods of their repair, and of the hazards and safety precautions of the mechanic's trade; skill in the operation of mechanical equipment, machine tools, and hand equipment necessary to the work, and in the analysis of mechanical defects in automotive equipment; ability to understand and carry out oral and written instructions, and to handle heavy equipment and operate electronic diagnostic instruments. Must be able to work without direct supervision. Must possess physical characteristics necessary to perform the critical and important duties of this position, to include sufficient agility to work in tight or confined conditions and sufficient strength to lift replacement parts weighing up to 80 pounds.

#### SPECIAL CONDITIONS OF EMPLOYMENT:

A valid and unrestricted California Class B driver's license with air brake and tanker endorsements, is required. New employees must obtain the required license with all endorsements prior to completing probation; current employees in this classification have until 1-1-98 to obtain the required license and all endorsements. Persons in this classification must be able to use a respirator in the performance of their work. In accordance with CAL OSHA respirator regulations, Title 8, 5144 (c) (g) (I) (A) (I.), incumbent shall not wear beards or long sideburns that impede the effectiveness of the respirator. Must be willing to work outdoors in a variety of weather conditions and willing to work unusual hours and/or on weekends.

REPORTS TO: Service Manager

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Employment Category: AFSCME, Local 2428, Range A018  
Adopted by the General Manager: July 15, 1997  
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