

City of San José
CLASS SPECIFICATION

ASSISTANT HEAVY DIESEL EQUIPMENT OPERATOR-MECHANIC
(3641)

DEPARTMENT	ACCOUNTABLE TO	FLSA STATUS
Environmental Services	Heavy Diesel Equipment Supervisor	Non-exempt

CLASS SUMMARY:

Under close supervision, operates, maintains, repairs and overhauls large, dual-fuel, tri-fuel and clean burn engines and auxiliary equipment. Performs related work as required.

DISTINGUISHING CHARACTERISTICS:

This is the entry level class in a three class Heavy Diesel Equipment Operator-Mechanic series. Incumbents perform work of routine difficulty in the operation and maintenance of large power plants and auxiliary equipment. This class differs from the next higher class of Heavy Diesel Equipment Operator-Mechanic in that incumbents of the latter class perform work of moderate difficulty under less immediate supervision. Assignments may be made to any shift in an around-the-clock operation, and incumbents must also be available for work on Saturdays, Sundays, and Holidays. Assignments for this classification are typically at the Water Pollution Control Plant.

Duties require a heavy level of physical exertion, including exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects.

QUALIFICATIONS

(These qualifications are typically required. An equivalent combination of education, experience, knowledge, skills, and abilities sufficient to satisfactorily perform the duties of the job may be substituted.)

Minimum Qualifications**Education and Experience**

High school education or GED and one (1) year of experience as a mechanic operating, maintaining, repairing and overhauling mechanical and electrical equipment related to large diesel and spark-ignited engines and/or power generators.

Required Licensing (such as driver's license, certifications, etc.)

A valid CA driver's license is required.

Other Qualifications

(Incumbents may be required to have different combinations of the listed qualifications, or more specific job-related qualifications depending on the position.)

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Basic Knowledge, Skills and Abilities

(Needed at entry into the job in order to perform the essential duties.)

- Knowledge of diesel fuels and lubricants used in heavy-duty power plant operation.
- Knowledge of hazards and necessary safety procedures involved in working in large power plants with electric power generating units.
- Ability to use mechanical hand and power tools and equipment common to large engine repair and maintenance.
- Ability to follow written and oral instructions.
- Ability to work independently and in a team environment.
- Ability to demonstrate a high degree of mechanical aptitude, and aptitude for learning to operate and maintain diesel electric generating units.
- Knowledge of inspection, testing, dismantling, overhauling, repairing and re-assembling reciprocating engines, blowers, compressors, and related equipment.
- Ability to interpret charts and maintain operating logs and records.
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- Ability to interpret charts and maintain operating logs and records.

Desirable Qualifications

(Knowledge, skills, and abilities; licenses, certificates, education, experience that is more position specific and/or likely to contribute to more successful job performance.)

- Ability to operate engines and auxiliaries, as required under variable demand.
- Ability to read and interpret meters, gauges, thermometers, and other recording and measuring devices.

DUTY NO.	TYPICAL CLASS ESSENTIAL DUTIES: (These duties and estimated frequency are a representative sample; position assignments may vary depending on the business needs of the department.) Duties may include, but are not limited to, the following:	FRE-QUENCY
1.	Participates with skilled mechanics in inspecting, testing, dismantling, overhauling, repairing and re-assembling engines, blowers, compressors, and related equipment.	Continuous
2.	Participates with Heavy Diesel Equipment Operator-Mechanics in operating engines and auxiliaries, as required under variable power and air demands.	Occasional
3.	Performs tests on engine cooling water.	Frequent
4.	Develops proficiency required to read and interpret meters, gauges, thermometers, and other recording and measuring devices showing operating conditions.	Continuous
5.	Cleans work area.	Continuous
6.	Participates in maintaining records and preparing reports.	Continuous
7.	Performs other duties of a similar nature or level.	As Required

*Frequency defined as %, (totaling 100%) *or* “Continuous” (daily or approximately 20%+), “Frequent”(weekly or approximately 15%+), “Occasional”(monthly or approximately 10%+), “As Required”(Intermittent or 5% or less)

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CLASSIFICATION HISTORY : Established 5/80; Revised 9/81; 3/87; 10/95; 8/05; 3641s002