

Competency Model for Senior Equipment Mechanic

The following competencies have been identified as those that best separate superior from satisfactory job performance in the class of Senior Equipment Mechanic.

1. Reading Comprehension

7. Self-Management

8. Safety Focus

20. Job Knowledge

28. Supervision

33. Interpersonal Skills

46. Listening

47. Written Communication

On the following pages are descriptions of each competency, including a definition, the level of the competency required for the class (*italicized and underlined*), examples of behavioral indicators, and satisfactory and superior performance level

1. READING COMPREHENSION – Comprehends and correctly applies information presented in written form. Makes correct inferences; draws accurate conclusions.

Level of Competency Required by Job:

- Level 1: Concrete, specific job-related information (work orders; instructions; material/equipment labels)
- Level 2: General information related to field of work and assignments; (articles in trade publications; technical/instructional manuals; memos; letters; e-mails; reports)**
- Level 3: Abstract/complex information (highly technical articles/ reports in specialized area; legal or other regulatory material)

Examples of Behavioral Indicators:

- Follows written instructions correctly.
- Learns information presented in writing.
- Identifies relevant written information.
- Interprets written legal regulatory material accurately.

Performance Levels:

Satisfactory

Reads instructions correctly. Learns from manual and other printed material.

Superior

Learns from manual and may answer others' questions. Explains information presented in written form to others.

7. SELF MANAGEMENT – Organizes and plans for task accomplishment; manages time and works diligently to complete assigned work/fulfill responsibilities.

Level of Competency Required by Job:

- Level 1: Order tasks for efficient performance; maintain awareness of time allotted and deadlines in order to ensure they are met.
- Level 2: Plan and perform work in a way that maximizes efficient performance; establish and adjust priorities to ensure timely completion of most critical assignments.**
- Level 3: Allot time to responsibilities proportional to their prominence, priority, and impact.

Examples of Behavioral Indicators:

- Performs only work activities during work hours.
- Alters means of performing work when original approach proves to waste time.
- Keeps a “to do” list (with indication of priority and deadlines, if necessary).
- Requests assistance as necessary when it becomes clear that work will not be completed on time.
- Demonstrates a record of progress with respect to all assignments/responsibilities.
- Uses optimal means of communication for efficiency and effectiveness.

Performance Levels:

Satisfactory

Conducts self while at work in a manner that ensures work will be completed as scheduled, or provides explanation or secures assistance or adjustment of schedule if it will not be.

Superior

Seeks efficiencies in doing work to maximize productivity. Plans work carefully and follows the plan or makes adjustments if it is disrupted. Maintains personal responsibility for all work accomplishment.

8. SAFETY FOCUS – Performs work in a way that minimizes risk of injury to self or others.

Level of Competency Required by Job:

- Level 1: Maintain awareness of unsafe conditions and actions to avoid injury.
- Level 2: Follow safety rules/procedures; avoid known hazards in the work environment.
- Level 3: Carefully follow safety rules and procedures and consistently use all necessary safety equipment.**

Examples of Behavioral Indicators:

- Wears seat belt.
- Ensures safe physical work environment by taking actions such as eliminating unstable stacks of materials, closing drawers so filing cabinets will not tip over, and keeping pathways clear of tripping hazards.
- Reviews safety procedures before beginning each job with known hazards.
- Follows safety procedures while performing work even when it takes more time.
- Uses safety equipment such as goggles, gloves, and earplugs as required or warranted.
- Frequently checks safety equipment for proper condition and operation.

Performance Levels:

Satisfactory

Maintains awareness of personal safety to avoid injury or property damage during all work activities.

Superior

“Safety first.” Places avoidance of injury or property damage above all other job requirements. Mentions the need to follow safe work practices to co-workers. Actively seeks ways to avoid injury.

20. JOB KNOWLEDGE – Knows information required to perform a specific job. Includes both widely available courses of study (for example, chemistry, human resources management, graphic arts) and City-specific information (parking regulation and ticketing practices; purchasing procedures; provisions of the City Charter).

Level of Competency Required by Job:

- Level 1: Knowledge acquired after hire in a brief orientation, short training program, or through on-the-job training.
- Level 2: Knowledge acquired through an apprenticeship or extensive training program, or long duration of job performance.**
- Level 3: Knowledge acquired through a prolonged external course of study and/or extensive training and experience within the City.

Examples of Behavioral Indicators:

- Performs work correctly/avoids technical (job content related) errors.
- Answers technical questions about work accurately.
- Asks few technical questions about the performance of routine work activities.
- Offers advice (“coaching”) to new employees regarding their work.
- Develops training programs for other employees.

Performance Levels:

Satisfactory

Sufficient job knowledge to perform work correctly independently. Answers technical questions about work correctly.

Superior

Expertise in technical job information sufficient to serve as a resource to others. May develop training manuals/programs and/or give internal and/or external presentations related to work.

SENIOR EQUIPMENT MECHANIC
Job Knowledge Areas

Technical Knowledge

1. Knowledge of the mechanical principles of the internal combustion engine such as how pistons, valves and lifters work together to allow the engine to operate properly.
2. Knowledge of electrical systems and components as they relate to vehicle and equipment repair such as starters, generators, alternators and distributors.
3. Knowledge of the operation of hydraulic, air brake and mechanical brake systems.
4. Knowledge of the operation of gasoline fuel systems and components such as carburetors, pumps, filters and fuel injectors.
5. Knowledge of the operation of diesel fuel systems and components such as pumps, filters and fuel injectors.
6. Knowledge of the operation of clutch assemblies.
7. Knowledge of the operation of transmissions and PTO's (Power Take Off).
8. Knowledge of the operation of drive shaft and rear axle assemblies.
9. Knowledge of the operation of drive chain and rear axle assemblies on motorcycles and other equipment.
10. Knowledge of the operation of motorcycle front fork assemblies.
11. Knowledge of hydraulic systems such as lift gates and other specialized equipment.
12. Knowledge of the proper procedures for testing exhaust and emission control components.
13. Knowledge of the operation and servicing of automotive air conditioning systems, components and controls.
14. Knowledge of the function of cooling and heating systems, fan clutches, components and controls.
15. Knowledge of the operation of manual steering systems.
16. Knowledge of the operation of power steering systems. Knowledge of automotive suspension systems.
17. Knowledge of tire repair methods and the meaning of tire wear patterns.
18. Knowledge of the functions and operation of charging and starting systems.
19. Ability to use hand tools (such as ratchets, screwdrivers, hammers, wrenches and air impacts) for vehicle and equipment repair.

- 20. Ability to read and interpret City street maps.
- 21. Ability to read and interpret technical drawings and schematics used in wiring diagrams and manufacture manuals.
- 22. Knowledge of vendor's warranty and rental contract information, such as deductibles and expiration dates, sufficient to secure needed repairs.
- 23. Knowledge of the procedures for handling and disposal of hazardous waste and material.
- 24. Knowledge of section computer system sufficient to access input, and receive information on vehicle repair history.
- 25. Ability to determine problems with and completeness of repairs completed on vehicle while road testing vehicle.
- 26. Knowledge of various types of alternative powered vehicles: LNG (Liquefied Natural Gas), CNG (Compressed Natural Gas), Propane, electric and Ethanol.

City Rules

- 27. Knowledge of inventory and ordering procedures sufficient to maintain appropriate levels of supplies and equipment and to order needed materials.
- 28. Knowledge of Memoranda of Understanding (MOUs) as related to subordinate personnel such as grievance procedures, working rules and pay issues.
- 29. Knowledge of City personnel policies, rules, and regulations relating to subordinate personnel.
- 30. Knowledge of the City's EEO policies sufficient to ensure subordinates are properly trained, assigned and selected.
- 31. Knowledge of the usage of City-owned vehicles and equipment.

Safety Procedures

- 32. Knowledge of CAL/OSHA rules and general safety standards relating to tools, equipment, storekeeping and shop areas.
- 33. Knowledge of Federal, State, Cal/Osha, EPA and SCAQMD rules and regulations pertaining to fueling stations.

28. SUPERVISION – Ability to assume direct responsibility for all aspects of the performance of a work group, which requires knowledge and/or ability in the areas of:

- Planning and goal setting
- Creating a safe and positive work environment
- Establishing standards and training employees
- Motivating employees and teambuilding
- Performance Management (assigning, monitoring, facilitating, reviewing and evaluating work, and providing feedback)
- Supporting and developing employees through delegation and participation
- Taking disciplinary action including progressive discipline
- Provisions of employees' MOU's and handling grievances
- Legal requirements including EEO, ADA, FLSA, FMLA, and Workers' Compensation provisions
- Civil Service Commission Rules and Policies related to the management of employees
- Administrative Code provisions related to the management of employees
- Budget processes sufficient to request and justify expenditures in a correct and timely manner

Level of Competency Required by Job:

- Level 1: Supervises small workgroup of employees performing the same or highly related work.
- Level 2: Supervises a larger workgroup of employees performing various types of work.**
- Level 3: Supervises employees including provision of coaching and advice to subordinate supervisors.

Examples of Behavioral Indicators:

- Plans, assigns, and monitors work progress.
- Trains employees to do work.
- Evaluates work and gives positive and negative feedback.
- Displays knowledge of legal requirements including applicable Federal and State laws, Administrative Code provisions, Civil Service Commission Rules and Policies, and MOU provisions.

Performance Levels:

Satisfactory

Proficiency in supervision sufficient to supervise a workgroup in terms of task orientation, interpersonal concerns, and personnel administration.

Superior

Proficiency in supervision sufficient to serve as a resource to others and/or represent department position in a public forum.

33. INTERPERSONAL SKILLS – Interacts effectively and courteously with others.

Level of Competency Required by Job:

- Level 1:** **Interact with members of the workgroup, supervision, and/or the public in a cordial, service-oriented manner.**
- Level 2: Interact across department lines and with appointed City officials, and/or members of the public, at times under adversarial circumstances, in a cordial, respectful manner.
- Level 3: Interact with appointed and elected City officials, department heads, representatives of external organizations, and/or the media in a cordial, effective manner.

Examples of Behavioral Indicators:

- Works well with others toward mutual objectives.
- Does not arouse hostility in others.
- “Disagrees without being disagreeable.”
- Elicits acceptance/cooperation from others.
- Affords all individuals respect, regardless of their role or status.
- Effectively addresses concerns of politicians or others who may have their “own agenda.”

Performance Levels:

Satisfactory

Behaves in a courteous, respectful, cooperative manner toward co-workers, other City employees, and members of the public.

Superior

Facilitates positive interpersonal relations within/among workgroups and toward members of the public. Adept at finding similarities and grounds for cooperation/mutual benefit.

46. LISTENING – Hears and acknowledges what others say.

Level of Competency Required by Job:

- Level 1: Attentive to others speaking in interpersonal interactions.
- Level 2: Comprehend information from others one-on-one, in group settings, and from oral presentations.**
- Level 3: Comprehend information provided/questions asked by others in public forums or other stressful circumstances.

Examples of Behavioral Indicators:

- Demonstrates correct understanding of issue as expressed by customer.
- Recalls details of information provided by a speaker.
- Expresses subtleties/nuances in information conveyed by others.
- “Answers the question asked.”
- Conveys correct information based on information obtained from a speaker.

Performance Levels:

Satisfactory

Comprehends the message conveyed by the speaker. Rephrases information clearly and accurately; recalls information and details, and answers questions about the information correctly.

Superior

Recalls specific terminology used by a speaker when important. Accurately understands subtleties and nuances in spoken language. Answers questions completely, demonstrating clear and complete comprehension of the questioners' full inquiry.

47. WRITTEN COMMUNICATION – Communicates effectively in writing.

Level of Competency Required by Job:

- Level 1: Write notes/e-mails. Completes forms with some open-ended responses (sentences).
- Level 2: Write letters, articles/reports, and/or detailed descriptions of activities/occurrences.**
- Level 3: Write lengthy reports, instruction manuals, in-depth analyses/reviews of complex issues and/or articles for publication. Reviews the written work of others.

Examples of Behavioral Indicators:

- Writing includes the necessary information to convey the intended message.
- Sufficiently few errors in spelling, punctuation, grammar to not interfere with the intended message or distract the reader.
- Little editing or re-writing needed to produce a final product.
- Composes materials efficiently.
- Information is presented in a well organized manner.
- Tone and degree of formality are appropriate to the purpose and audience.

Performance Levels:

Satisfactory

Writes material that clearly communicates the necessary information; needs little editing.

Superior

Precisely uses words and organizes information in a way that enhances presentation of the message. Virtually no editing needed.