53-3099.99 Motor Vehicle Operators, All Other

- **Education/Training Required: Short-term on-the-job training**
- **Employed: 76,500**
- **Annual Earnings: $22,280**
- **Growth: 25.7%**
- **Annual Job Openings: 23,000**

All motor vehicle operators not listed separately.

No task data available.

Note: The Department of Labor has not collected some data for this job, so it has fewer details than the other descriptions.

Related SOC Job—53-3099 Motor Vehicle Operators, All Other. **Related OOH Job**—None. **Related DOT Jobs**—919.683-022 Street-Sweeper Operator; 919.683-030 Driver, Starting Gate.

53-4000 Rail Transportation Workers

53-4011.00 Locomotive Engineers

- **Education/Training Required: Work experience in a related occupation**
- **Employed: 37,390**
- **Annual Earnings: $55,520**
- **Growth: –2.5%**
- **Annual Job Openings: 2,000**

Drive electric, diesel-electric, steam, or gas-turbine-electric locomotives to transport passengers or freight. Interpret train orders, electronic or manual signals, and railroad rules and regulations.

Monitor gauges and meters that measure speed, amperage, battery charge, and air pressure in brake lines and in main reservoirs. Observe tracks to detect obstructions. Interpret train orders, signals, and railroad rules and regulations that govern the operation of locomotives. Receive starting signals from conductors; then move controls such as throttles and air brakes to drive electric, diesel-electric, steam, or gas-turbine-electric locomotives. Confer with conductors or traffic control center personnel via radiophones to issue or receive information concerning stops, delays, or oncoming trains. Operate locomotives to transport freight or passengers between stations and to assemble and disassemble trains within rail yards. Respond to emergency conditions or breakdowns, following applicable safety procedures and rules. Check to ensure that brake examination tests are conducted at shunting stations. Call out train signals to assistants to verify meanings. Inspect locomotives to verify adequate fuel, sand, water, and other supplies before each run and to check for mechanical problems. Prepare reports regarding any problems encountered, such as accidents, signaling problems, unscheduled stops, or delays. Check to ensure that documentation, including procedure manuals and logbooks, is in the driver's cab and available for staff use. Inspect locomotives after runs to detect damaged or defective equipment. Drive diesel-electric rail-detector cars to transport rail-flaw-detecting machines over tracks. Monitor train-loading procedures to ensure that freight and rolling stock are loaded or unloaded without damage.

GOE Information—Interest Area: 16. Transportation, Distribution, and Logistics. **Work Group:** 16.04. Rail Vehicle Operation. **Personality Type**—Realistic. Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants; animals; and real-world materials like wood, tools, and machinery. Many of the occupations require working outside and do not involve a lot of paperwork or working closely with others. **Work Values**—Supervision, Technical; Supervision, Human Relations; Compensation; Company Policies and Practices; Security; Social Status. **Skills**—Operation Monitoring; Operation and Control; Troubleshooting; Instructing; Active Listening; Service Orientation. **Abilities**—*Cognitive:* Spatial Orientation; Perceptual Speed; Flexibility of Closure; Time Sharing; Selective Attention; Visualization. *Psychomotor:* Reaction Time; Response Orientation; Rate Control; Multilimb Coordination; Control Precision; Speed of Limb Movement. *Physical:* Static Strength; Trunk Strength. *Sensory:* Auditory Attention; Peripheral Vision; Glare Sensitivity; Far Vision; Night Vision; Depth Perception. **General Work Activities**—*Information Input:* Identifying Objects, Actions, and Events; Inspecting Equipment, Structures, or Materials; Getting Information. *Mental Process:* Evaluating Information Against Standards; Updating and Using Relevant Knowledge; Processing Information. *Work Output:* Controlling Machines and Processes; Handling and Moving Objects; Operating Vehicles or Equipment. *Interacting with Others:* Communicating with Other Workers; Establishing and Maintaining Interpersonal Relationships; Resolving Conflicts and Negotiating with Others. **Physical Work Conditions**—Outdoors; Noisy; Contaminants; Hazardous Equipment; Using Hands on Objects, Tools, or Controls; Repetitive Motions. **Other Job Characteristics**—Need to Be Exact or Accurate; Repeat Same Tasks; Errors Have Important Consequences.

Experience—Job Zone 2. Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. **Job Preparation**—SVP 4.0 to less than 6.0—six months to less than two years. **Knowledges**—Transportation; Mechanical Devices; Public Safety and Security. **Instructional Program**—Transportation and Material-Moving Services, Other.

Related SOC Job—53-4011 Locomotive Engineers. **Related OOH Job**—Rail Transportation Occupations. **Related DOT Job**—910.363-014 Locomotive Engineer.

53-4012.00 Locomotive Firers

- **Education/Training Required: Postsecondary vocational training**
- **Employed: 540**
- **Annual Earnings: $38,790**
- **Growth: –2.5%**
- **Annual Job Openings: 2,000**

Monitor locomotive instruments and watch for dragging equipment, obstacles on rights-of-way, and train signals during run. Watch for and relay traffic signals from yard workers to yard engineer in railroad yard.

Signal other workers to set brakes and to throw track switches when switching cars from trains to way stations. Monitor oil, temperature, and pressure gauges on dashboards to determine if engines are operating safely and efficiently. Check to see that trains are equipped with supplies such as fuel, water, and sand. Inspect locomotives to detect damaged or worn parts. Operate locomotives in emergency situations. Receive signals from workers in rear of train and relay that information to engineers. Start diesel engines to warm engines before runs. Observe train signals along routes and verify their

