

GAS OPERATIONS

COMPRESSOR SPECIALIST "A"

Reports to current supervisor.

General Purpose:

To perform duties of a Compressor Specialist "A" to perform engine/compressor/emission analysis using electronic and emission analyzers.

Typical Duties:

- A. Performs duties normally done by Compressor Station Technicians at normal reporting location, as assigned, such as the following: repairs, maintains, installs and adjusts main compressor units and associated auxiliary equipment; diagnose problems and repairs electrical, mechanical, pneumatic and hydraulic control equipment and control systems; may lead and direct Compressor Station Operators and or Technicians.
- B. Performs engine/compressor/emission analysis using electronic and emission analyzers, to locate equipment operation problems and/or predict the causes of such problems:
 1. Connects electronic analyzer and all related components to the reciprocating/turbine compressors throughout the Compressor Stations within DEO. Will travel to the various compressor stations to accomplish this and other duties related to the analyzer.
 2. Takes data from the analyzer and processes reliable and accurate computer images including ignition traces, vibration patterns, ultrasonic patterns, P-V diagrams, etc.
 3. Checks for all gas and combustion leaks, using the ultrasonic lead detection device on the analyzer.
 4. Calculates horsepower, compressor efficiency, brake mean effective pressure of the power cylinders, primary and secondary voltage in the ignition system, and engine speed.
 5. Makes minor adjustments and repairs to the compressor units, while performing the electronic engine analysis; corrects problems based on analysis results plus own resources and judgement.
 6. Directs those who assist (such as a Compressor Operator and or Technicians) in the adaptation of the analyzer equipment and the minor repair work while analysis is being performed.
 7. Writes the results of each analysis (using a formal reporting procedure but communicating clearly) to develop a history of operating patterns of each unit; recognizes similarities and changes in successive analysis reports and utilizes such histories in reporting analysis results and making recommendation.

8. Report analysis results and make recommendations about the complete analysis to the Compressor Station Technician, Station Supervisor, Supervisor Gas Operations (2nd line).
9. Acts in an advisory capacity to operators, technicians, and supervisors, insofar as analyzer equipment and analysis results are concerned.
10. Tests the electronic and emission analyzer equipment periodically and makes necessary repairs and adjustments as required.
11. Performs all duties in compressor stations for which they are qualified.
12. Attend training sessions in person and or virtually as needed.
13. Will help train Compressor Specialist B on how to use equipment.
14. Travels to compressor stations which could include overnight stay.

Qualifications:

1. Must have demonstrated proficiency in lower classifications and demonstrated the ability to lead, direct, assign and instruct others. Must have completed one year in the Compressor Specialist "B" classification and have met all the qualifications of this classification.
2. Must have demonstrated ability in operating the necessary vehicles, tools and equipment utilized by lower classifications and possess a working knowledge of all tools, measuring instruments, and electronic testing equipment.
3. Must be willing to work shifts and overtime and have a good work and attendance record.
4. Must have a valid vehicle operator's license.