

Job Description for Equipment Specialist/Trainer

Job Title: Equipment Specialist/Trainer
Employment Type: Full time – Exempt
Location: Murrieta, CA
Travel Required: Yes
FLSA Status: Exempt

Prepared By: Jorge Guerrero
Approved By: Jorge Guerrero
Date: December 13, 2021
Reports To: Project Manager

Company Description:

Dr. Diesel Technologies (DDTS) is a dynamic and innovative company providing leading edge technology for:

- Diesel diagnostic solutions and test equipment
- Field Service Rugged Computing Solutions
- Engineering Services
- Fleet Tele-Matics Solutions
- On-site Liaison Officer (LNO) / Field Service Representative (FSR)
- Combat Watercraft Diagnostic Solutions
- Content Management Systems (CMS)
- Systems Integration
- Software Development

The Dr. Diesel Technologies Knowledge base has provided performance based diagnostic solutions and test equipment since 2003 to many U.S. Defense contractors, the U.S. Navy, U.S. Marine Corps and U.S. Army. These Joint-Service diagnostic solutions were in direct support of contractors, Sailors, Soldiers and U.S. Marines in the Global War On Terrorism (GWOT).

The Equipment Specialist will support the Project Manager in the management of the Dr. Diesel Technologies vehicle diagnostic test equipment product for U.S. Navy Expeditionary forces as well as other U.S. Military customers. In addition, the Equipment Specialist will provide support in the development of ongoing project related to vehicle and equipment diagnostics. Training and mentoring will be provided.

Position Responsibilities:

- Create and develop troubleshooting and diagnostic logic flow diagrams.
- Create and develop formal test procedures for diagnostic software and test equipment.
- Collaborate with diagnostic software developers in the development of diagnostic software applications.
- Assist developers in various testing methods (Validation/Verification) on Military vehicles using test equipment and diagnostic software applications.
- Create New Equipment Training (NET) curriculum for Diagnostic Analyzer Test Set (DATS).
- Travel independently to U.S. Military bases and or customer sites to conduct Validation/Verification and testing efforts.
- Conduct and perform New Equipment Training (NET) at U.S. Military bases (CONUS/OCONUS).

- Accomplish tasks with minimal supervision and commitment to achieve group goals.

Experience:

Expert experience as a Heavy Duty U.S. Military Truck Technician

Expert experience and knowledge of the following systems and subsystems:

- U.S. Military Vehicle Technical Manuals
- Electronic Maintenance System Next Generation (EMS NG)
- Interactive Electronic Technical Manuals (IETMs)
- Vehicle general purpose tools and tool sets
- Vehicle diagnostic and TMDE tools
- FMTV/HEMTT/HET/HMMWV/LTV/M915 FOV/MRAP's/PLS/Stryker
- Detroit Diesel Engines
- Caterpillar Engines
- Allison (ATEC, WTEC III & GEN IV) Transmissions
- BENDIX ABS
- EATON ABS, CTIS and CWS
- WABCO ABS
- HALDEX ABS

Expert experience and knowledge with the following SAE standards and Interfaces:

- SAE Standards: J1587, J1708, J1939, J2284 OBD II & GM UART (J1850)
- TMC RP1210A/B
- Diagnostic Connector Assembly / Internal Combustion Engine (DCA / ICE)

Experience with the use of the following Original Equipment Manufacturer (OEM) diagnostic software:

- Allison DOC
- BENDIX ABS
- Caterpillar Electronic Technician (CAT ET)
- CUMMINS INSITE
- DANA CTIS
- Detroit Diesel Diagnostic Link
- MaxxPro Diagnostic Software
- WABCO ABS Tool Box

Skills:

Intermediate to expert knowledge of the following skills:

MS Visio	Computer Literate	Digital-Multi meter
MS Word	Time Management	Interpret Schematics
MS Excel	Organization	IETMs
MS Power Point	Documentation	Technical Publications
Quality Control	Work well independently	

Education and Training:

- Degree: High School Diploma or Equivalent
- Vocational Training: MOS 91B Wheeled Vehicle Mechanic
- Vocational Training: MOS 91L Construction Equipment Repairer
- Vocational Training: MOS 91S Stryker Systems Maintainer
- Vocational Training: MOS 91X Maintenance Supervisor
- Vocational Training: MOS 91Z Mechanical Maintenance Supervisor

Qualifications:

- Possess a current U.S. passport or ability to obtain one within 30 days of hire date.
- Ability to travel CONUS/OCONUS.
- Ability to spend extended periods of time in austere field conditions.
- Ability to obtain and maintain a Government Common Access Card (CAC).
- Ability to obtain authorization to drive onboard U.S. Military and Federal government bases and installations.
- Ability to rent a vehicle while travelling.
- Possess reliable transportation to and from U.S. Military and Federal government bases and installations to transport diagnostic equipment.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee is frequently required to sit; stand; walk; sit; use hands; reach with hands and arms and climb or balance. The employee is sometimes required to stoop, kneel, crouch, or crawl. The noise level in the work environment is usually light to moderate; the employee must occasionally lift and/or move up to 25 pounds.

END