

Assessment: Course Four Column

Courses (CTE) - Diesel Technology

DT 215:Electronic Diesel Engines

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Electronic component operation as related to fuel systems - Know electronic component operation as related to fuel systems. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Assignment - Lab - The ability to explain the system in written form as well as verbal. The student should also be able to use the principle for trouble shooting in the lab.</p> <p>Criterion: Pass the explanation to a level of 80% of how the system works.</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes About 80 % of the students meet this requirement. (09/09/2019)</p>	<p>Action: Use of different videos as well as allow the students the opportunity to explain the systems to others, (09/09/2019)</p>
<p>Sensor operation - Know sensor operation. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - (1) Written examination. (2) Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises. (3) Verbal. Students demonstrate competence through oral examinations</p> <p>Criterion: 80 percent or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 80 percent passed the written with 90 or better 70 percent could identify the sensors 80 percent could explain the sensors (09/09/2019)</p>	<p>Action: More sensor identification activities. Research papers on sensors (09/09/2019)</p>
<p>Electronic injector operation - Know electronic injector operation. Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - 1) Written examination. (2) Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises.</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes There was 15 percent that did not reach this level of skill. (09/09/2019)</p>	<p>Action: Build some cut away injector modules. (09/09/2019)</p>

Course Outcomes	Assessment Measures	Results	Actions
	<p>(3) Verbal. Students demonstrate competence through oral examinations</p> <p>Criterion: 80 percent or better</p>		
<p>Operate electronic trouble shooting test equipment - Demonstrate the ability to operate electronic trouble shooting test equipment.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p>	<p>Exam - 1) Written examination. (2) Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises. (3) Verbal. Students demonstrate competence through oral examinations</p> <p>Criterion: 80 percent or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: No There was only about 60 percent that could do this effectively by the end of the course. (09/09/2019)</p>	<p>Action: Get better scan tools. Make better lab task that will help them understand and explore. (09/09/2019)</p>
<p>Test sensor operation on and off engine - Demonstrate the ability to test sensor operation on and off engine.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p>	<p>Exam - 1) Written examination. (2) Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises. (3) Verbal. Students demonstrate competence through oral examinations</p> <p>Criterion: 80 percent or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: No There was only about 60 percent that could do this effectively by the end of the course. (09/09/2019)</p>	<p>Action: Make better lab task that will help them understand and explore. Find more bad sensors and good sensors to test for practice. (09/09/2019)</p>
<p>Faulty electronic components - Demonstrate the ability to locate faulty electronic components</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p>	<p>Exam - Written examination. (2) Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises. (3) Verbal. Students demonstrate competence through oral examinations</p> <p>Criterion: 80 percent or be</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes There was only 40 percent that reached the criteria. (09/09/2019)</p>	<p>Action: I think the reason for the results is many of the students did not do very well in electrical and struggled to grasp the concepts. I will review more electrical theory before. (09/09/2019)</p>