

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: 2016-2017 Start Date: 06/19/2014</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: 2016-2017 Criterion Met: Yes About 80 % of the students meet this requirement. (10/10/2017)</p>	<p>Action: Use of different videos as well as allow the students the opportunity to explain the systems to others. (10/10/2017)</p>
<p>Sensor operation - Know sensor operation. Course Outcome Status: Active Next Assessment: 2016-2017 Start Date: 06/19/2014</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: 2016-2017 Criterion Met: Yes 80 percent passed the written with 90 or better 70 percent could identify the sensors 80 percent could explain the sensors (10/10/2017)</p>	<p>Action: More sensor identification activities. (10/10/2017)</p>
<p>Electronic injector operation - Know electronic injector operation. Course Outcome Status: Active Next Assessment: 2016-2017 Start Date: 06/19/2014</p>	<p>Exam - 1) Written examination. (2) Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises.</p>	<p>Reporting Period: 2016-2017 Criterion Met: Yes There was 15 percent that did not reach this level of skill. (10/10/2017)</p>	<p>Action: Build some cut away injector modules. (10/10/2017)</p>

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	(3) Verbal. Students demonstrate competence through oral examinations Criterion: 80 percent or better		
Operate electronic trouble shooting test equipment - Demonstrate the ability to operate electronic trouble shooting test equipment. Course Outcome Status: Active Next Assessment: 2016-2017 Start Date: 06/19/2014	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 Criterion: 80 percent or better	Reporting Period: 2016-2017 Criterion Met: No There was only about 60 percent that could do this effectively by the end of the course. (10/10/2017)	Action: Get better scan tools. Make better lab task that will help them understand and explore. (10/10/2017)
Test sensor operation on and off engine - Demonstrate the ability to test sensor operation on and off engine. Course Outcome Status: Active Next Assessment: 2016-2017 Start Date: 06/19/2014	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 Criterion: 80 percent or better	Reporting Period: 2016-2017 Criterion Met: No There was only about 60 percent that could do this effectively by the end of the course. (10/10/2017)	Action: Make better lab task that will help them understand and explore. Find more bad sensors and good sensors to test for practice. (10/10/2017)
Run overheads on electronic engines - Demonstrate the ability to run overheads on electronic engines Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 10/10/2017	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 Criterion: 80 percent or better	Reporting Period: 2016-2017 Criterion Met: Yes There was a high success in this area. Approx. 95 percent achieved the goal (10/10/2017)	Action: Get more injector height tools and measuring equipment to make it more efficient with time. (10/10/2017)