Assessment: Course Four Column

Courses (CTE) - Diesel Technology

DT 201:Diesel Brakes/Pneumatics

Course Outcomes	*Assessment Measures*	*Results*	*Actions*
Demonstrate personal safe working practices consistent with Industry - Demonstrate personal safe working practices consistent with Industry **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Evaluation -** Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises. **Criterion:** Students demonstrate competence by presenting demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 40%passed with 90% of better 52%passed with 80% -89% 0%passed with 70-79% 0%passed with 60-69% 8%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student understanding of tasks and concept/ theory (10/09/2019)	**Action:** Implement daily safety topics relating to braking systems (10/09/2019)
Three different types of diesel equipment braking systems - Identify three different types of diesel equipment braking systems **Course Outcome Status:** Active **Next Assessment:** 2022-2023	**Demonstrate -** Verbal. Students demonstrate competence through oral examinations. **Criterion:** Students demonstrate competence by presenting oral demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 60%passed with 90% of better 8%passed with 80% -89% 24%passed with 70-79% 0%passed with 60-69% 8%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student understanding of tasks and concept/ theory (10/09/2019)	**Action:** Implement more wet braking information (10/09/2019)
Air brake system - Identify and state the functions of the major components in an air brake system **Course Outcome Status:** Active	**Exam -** Written final exam **Criterion:** Students demonstrate competence by taking written exams of material covered in text and class	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 52% passed with 90% of better 32% passed with 80% -89%	

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Next Assessment: 2023-2024	discussions.	8%passed with 70-79% 0%passed with 60-69% 8%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student understanding of tasks and concept/ theory (10/09/2019)	
Basic operation of a hydraulic power assist brake system - Describe basic operation of a hydraulic power assist brake system. **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Exam -** Written exam **Criterion:** Students demonstrate competence by taking written exams of material covered in text and class discussions.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 24% passed with 90% of better 60% passed with 80% -89% 8 %passed with 70-79% 0%passed with 60-69% 8%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student understanding of tasks and concept/ theory (10/09/2019)	
Basic maintenance and repairs of a hydraulic assist brake system - Perform basic maintenance and repairs of a hydraulic assist brake system. **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Evaluation -** Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises **Criterion:** Students demonstrate competence by presenting demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 52% passed with 90% of better 32% passed with 80% -89% 8%passed with 70-79% 0%passed with 60-69% 8%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student understanding of tasks and concept/ theory (10/09/2019)	
Adjust brakes on air brake system - Demonstrate the ability to adjust brakes on air brake system **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Evaluation -** Practical evaluation. Students will be asked to physically demonstrate competencies in laboratory exercises **Criterion:** Students demonstrate competence by presenting demonstrations in groups and individually with instructor.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes 32% passed with 90% of better 52% passed with 80% -89% 8%passed with 70-79% 0%passed with 60-69% 8%passed with bellow 59% (no show) Results Analysis: Power point and lab work, worked well for student	**Action:** Prep the truck for using shop air to speed up the lab exercises (10/09/2019) **Follow-Up:** This was my first year teaching this short basic Air Brake course but using previous materials and implementing materials from the other instructors proved to work well

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		understanding of tasks and concept/ theory (10/09/2019)	for this course. Next year I plan to have the truck equipped with shop air couplings so students do not have to wait for air supply between exercises and have the frame trainer air system functioning to have a secondary training unit to speed up shop exercise tasks. (10/09/2019)