**Course Prefix, Number, and Title: DT 101 Basic engines.**

**Section Number(s):**

**Department: Diesel.**

**Instructor: Joseph Jensen**

**Academic Year: 2019**

**Semester: Fall**

**Is this a GenEd class? Yes\_\_\_ No x\_\_\_**

**Complete and submit your assessment report electronically to your department chair. As needed, please attach supporting documents and/or a narrative description of the assessment activities. You may use as many or as few outcomes as necessary.**

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| **Class/Course Outcomes** | **Assessment Measures** | **Assessment Results** | **Outcome Results Analysis** |
| In the boxes below, summarize the outcomes assessed in your class or course during the last year*.* If this is a GenEd class, include the appropriate GenEd objectives. | In the boxes below, summarize the methods used to assess course outcomes during the last year. Include the criterion you’ll use to judge whether or not students have achieved the expected outcome. | In the boxes below, summarize the results of your assessment activities during the last year. Include your judgement as to whether or not the criterion for student achievement has been met. | In the boxes below, please reflect on this outcome’s results and summarize how you plan to use the results to improve student learning. |
| Outcome #1: Know and demonstrate safety precautions when working on engine systems and components. | Assessment Measure:  Written exams and practices.  Criterion for achievement: Pass exams and perform safe practices. | Results:  Students seem to follow safe acts.  Criterion Met: Yes | 1. Results Analysis:  All students were being safe.  2. Action Plan: Always practice safe habits. |
| Outcome #2: Know and demonstrate basic engine principles. | Assessment Measure:  Written exams, short reports and hands on.  Criterion for achievement: Pass exams. Present reports to class. Pass hands on in the shop. | Results:  Students seem to do well. There is a lot of reading and studying from the book. Some students lack technical research skills.  Criterion Met: Yes | 1. Results Analysis:  All have passed.  2. Action Plan: Continue with technical research activities. |
| Outcome #3: Know and demonstrate ability to locate source information related to operation and specifications for engine components. | Assessment Measure: Written exams. Research engine specifics from service literature.  Criterion for achievement: Pass exams. Perform the ability to do technical research. | Results:  Students struggle with technical writing and research. More time is usually spent on subjects at hand.  Criterion Met: Yes | 1. Results Analysis: All have passed.  2. Action Plan: Continue with technical writing and research. |
| Outcome #4: Know and demonstrate the ability to run engine overhead adjustments. | Assessment Measure:  Written exams. Hands on performing the adjustments.  Criterion for achievement: Pass exams. Perform an overhead adjustment on an engine. | Results: Students seem to enjoy this activity.  Criterion Met: Yes | 1. Results Analysis: All pass.  2. Action Plan: Continue with overhead adjustments. |
| Outcome #5: Know and demonstrate the ability to install cylinder liners. | Assessment Measure: Written exams.  Criterion for achievement: Pass exams. | Results: Only discussion about liner install is observed. Due to time and lack of engine components at this time.  Criterion Met: Yes | 1. Results Analysis:  2. Action Plan:  Obtain more engine components to perform this with hands on. |
| Outcome #6: Know and demonstrate the ability to accurately measure engine components and compare them manufacture specifications. | Assessment Measure: Perform all measurements using different measuring devices.  Criterion for achievement: Perform the measurements. | Results: All student seem to enjoy this exercise and perform ok with the measurements.  Criterion Met: Yes | 1. Results Analysis: Some students need help determining metric and SAE tools.  2. Action Plan: Continue with measurement activities. |

**Notes:**

I have reviewed this report:

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Department Chair Dean

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Vice President of Academic Affairs and Student Services

Date\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_