

OSU-Okmulgee
Academic Programs Forms A, B and C
ASSESSMENT REPORT FOR

Automotive / HEVi

Komatsu

(Unit)

(Program Emphasis or Specialization)

A.A.S

(Degree: A.S. or A.A.S)

2004 – 2005

Spring 2004

(Assessment Period Covered)

(Date Submitted)

Submitted By:

Steven Walker

(Chair or Faculty Assessment Representative)

OSU-Okmulgee
Academic Programs Form B
ASSESSMENT REPORT FOR

Automotive / HEVI

(Academic Unit or Student Support Area)

Komatsu

(Emphasis or Specialization)

2004 - 2005

(Assessment Period Covered)

Spring 2004

(Date Submitted)

Expanded Statement of Institutional Purpose Linkage

Reference Institutional Mission Statement below:

OSU-Okmulgee's mission is to serve as the lead institution of higher education in Oklahoma and the region providing comprehensive, high-quality, advancing technology programs and services to prepare and sustain a diverse student body as competitive members of a world-class workforce and contributing member of society.

Indicate Mission/Purpose of the Automotive & HEVi Technologies Division and relate it to the OSU-Okmulgee Mission below:

Unit Mission: The Automotive/HEVI Division of OSU-Okmulgee prepares students to become efficient and productive entry-level automotive service, automotive collision, medium/heavy duty truck, heavy equipment, industrial equipment and mechanical/electrical diagnostic and repair technicians.

Indicate Mission/Purpose of the HEVi Unit and relate it to the Automotive and HEVi Technologies Division Mission below:

Unit Mission: The Heavy Equipment and Vehicle Institute's mission is to prepare students to become qualified technicians for defined industries and provide a firm base for continued success in their career.

Indicate Mission/Purpose of the Program of Study (Emphasis or Specialization) and relate it to the Unit Mission below:

Program/Emphasis or Specialization Mission: The Komatsu ATC programs mission is to prepare students to become qualified technicians for Komatsu Distributors and provide a firm base for continued success in their career.

List Intended Program of Study Objectives to be Assessed This Year:

***CORE Objective 1. COMMUNICATION**

Effectively communicate electronically, verbally and in writing.

***CORE Objective 2. CRITICAL THINKING**

Demonstrate logical, systematic problem solving techniques, including basic mathematical computations.

***CORE Objective 3. ETHICS**

Develop and display a sense of personal, social and professional work ethics.

***CORE Objective 4. CULTURE, HISTORY, & DIVERSITY**

Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

***CORE Objective 5. TECHNOLOGY**

Access and use technology appropriate to one's industry or field of study.

PROGRAM Objective 6. SAFETY

Follow safety policies and procedures as defined by industry.

PROGRAM Objective 7. FUNDAMENTALS

Demonstrate the ability to understand the fundamentals of the defined industries.

PROGRAM Objective 8. ELECTRICAL/ELECTRONIC SYSTEMS.

Diagnose, maintain and repair electrical/electronic systems.

PROGRAM Objective 9. MECHANICAL COMPONENTS

Diagnose maintain and repair mechanical components.

PROGRAM Objective 10. HYDRAULIC / PNEUMATIC SYSTEMS

Diagnose maintain and repair hydraulic and pneumatic systems.

PROGRAM Objective 11. MOBILE AIR CONDITIONING SYSTEMS

Diagnose, maintain and repair mobile air conditioning systems.

PROGRAM Objective 12. POWER TRAIN SYSTEMS

Diagnose maintain and repair power train systems.

OSU-Okmulgee

Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #1:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

***CORE Objective 1: COMMUNICATION**

Effectively communicate electronically, verbally and in writing.

A. Formative Means of Assessment for Objective Identified Above:

1 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(A & S Formative) 70% of the students who take composition writing courses or speech courses will satisfy this objective by getting a pass rating (equivalent to a "C" grade or higher) based on individual course documentation that will be provided by the instructors to each division at the end of each semester. The documentation will be as follows:

Tech Writing I (ENGL 1033)-- Students will write an in-class essay. Data were collected and reported by Technical Writing faculty using SCT.

Speech, SPCH 1113, --Instructors will use a common grade sheet for the persuasive speech. Students must score at least 74% on that speech to be considered proficient. Data will be collected and reported by Speech faculty using SCT.

1 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

75% of all students demonstrated their ability to effectively communicate electronically and in writing with an accuracy of 74% or above as evidenced by a uniformly scored in-class essay. These data were collected and reported by Technical Writing I faculty using the SCT database.

100% of all students demonstrated their ability to effectively communicate verbally with an accuracy of 74% or above as evidenced by a persuasive speech. These data were collected and reported by Speech faculty using the SCT database.

1 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

1 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu General Basics course DHEK 1104: 80% of Komatsu students who pass Komatsu General Basics will have passed a written final exam with a 74% level of accuracy.

1 b. Description of Data Collection & Assessment Results:

This course was offered during Fall 2003 and results were not recorded; however, summative data for this objective will be collected beginning with the Fall 2004 cohort.

1 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #2:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

CORE Objective 2: CRITICAL THINKING

Demonstrate logical systematic problem solving techniques, including basic mathematical computations.

A. Formative Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(A&S Formative) Each student will take a comprehensive exam each time they complete a math course and 80% of them must make at least a 74% on each course exam. The exams will be given in the Assessment Center and will be updated each semester.

2 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

These data were not reported this semester. A&S faculty will do so beginning with Fall 2004.

2 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Basic Electrical Systems Course: 80% of Komatsu Students who pass Komatsu Basic Electrical Systems course will have passed a final written exam pertaining to this objective with a 74% level of accuracy.

2 b. Description of Data Collection & Assessment Results:

This course was offered during Fall 2003 and results were not recorded; however, summative data for this objective will be collected beginning with the Fall 2004 cohort.

2 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #3:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

***CORE Objective 3: ETHICS**

Develop and display a sense of personal, social and professional work ethics

A. Formative Means of Assessment for Objective Identified Above:

3 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) (Formative Arts & Sciences) Students will research strategies that promote ethical behavior in the workplace and submit (in writing) a professional code of ethics analysis in their Ethics course. Seventy percent of the students must receive a 74% or higher for this objective to have been achieved.

3 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Students in the Fall 2003 Cohort have not yet taken this course.

3 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

3 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Basic Electrical Systems Course: 80% of Komatsu Students who pass Komatsu Basic Electrical Systems Course DHEK 1333 will have completed a written final exam with a 74% level of accuracy.

3 b. Description of Data Collection & Assessment Results:

Students have not yet taken this course.

3 b. Use of Results to Improve Instructional Program:

OSU-Okmulgee

Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #4:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

***CORE Objective 4: CULTURE, HISTORY & DIVERSITY**

Explain the cultural heritage and primary elements of the history and government of the U.S. and it's people, especially as it impacts one's industry or field of study.

A. First Means of Assessment for Objective Identified Above:

4 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative Arts and Sciences) Upon completion of HIST 1483 (US History to 1865) and POLS 1113 (US Government), each student will take a comprehensive exam over each course and 80% of them must make at least 74% on each course exam.

4 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Students in the Fall 2003 Cohort have not yet taken this course.

4 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Second Means of Assessment for Objective Identified Above:

4 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) 80% of Komatsu students who pass the Komatsu General Basics Course will pass an exam as it relates to this history objective at a 74% level of accuracy.

4 b. Description of Data Collection & Assessment Results:

Students in the Fall 2003 Cohort have not yet taken this course.

4 b. Use of Results to Improve Instructional Program:

OSU-Okmulgee

Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

***CORE Objective 5: TECHNOLOGY**

Access and use technology appropriate to one's industry or field of study.

A. Formative Means of Assessment for Objective Identified Above:

5 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative IT) 80% of all OSU-Okmulgee graduates, of any specialization, will access and use technology appropriate for their industry or field of study with an accuracy of 74% (or above) by providing printed and electronically stored copies of "required" project solutions in the areas of: basic computer concepts, word processing, spreadsheet utilization, development of electronic presentations and internet to be evaluated by a review committee of faculty using standard criteria and predetermined evaluation instruments at an assigned time during the student's fourth semester, or prior to entering an internship experience.

5 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Students in the Fall 2003 Cohort have not yet completed this requirement.

5 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

5 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) 80% of Komatsu students who complete the Komatsu Parts and Service Publications Course will pass a final exam as it pertains to this objective at a 74% level of accuracy.

5 b. Description of Data Collection & Assessment Results:

Students in the Fall 2003 Cohort have not yet completed this requirement.

5 b. Use of Results to Improve Instructional Program:

OSU-Okmulgee

Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #6:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 6: SAFETY

Follow safety policies and procedures as defined by industry.

A. Formative Means of Assessment for Objective Identified Above:

1 a. Means of Program Assessment & Criteria for Success: (How is objective going to be measured and what will be considered acceptable success?)

(Komatsu Formative) This assessment will take place during the Komatsu General Basics Course KHEK 1104. 80% of Komatsu students who complete the safety component of this training will have completed a mid-semester safety exam with a 74% accuracy.

1 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

The Fall 2003 Cohort completed this course during Fall 2003; however, reporting procedures were still under development and these data were not recorded. Beginning with the Fall 2004 Cohort, these data will be collected, analyzed and reported.

1 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

1 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu General Basics Course KHEK 1104: 80% of Komatsu students who pass Komatsu General Basics Course will complete a final exam with 74% accuracy.

1 b. Description of Data Collection & Assessment Results:

Fall 2003 Cohort has not yet completed this requirement.

1 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #7:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 7: FUNDAMENTALS

Demonstrate the ability to understand the fundamentals of the defined industries.

A. Formative Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Komatsu Formative) This assessment will take place during the Komatsu General Basics Course KHEK 1104. 80% of Komatsu students who pass Komatsu General Basics Course will complete a written exam as pertains to this objective at a 74% level of accuracy.

2 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

The Fall 2003 Cohort completed this course during Fall 2003; however, reporting procedures were still under development and these data were not recorded. Beginning with the Fall 2004 Cohort, these data will be collected, analyzed and reported.

2 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Capstone Course. 80% of Komatsu students who pass Komatsu Capstone will complete a final exam as pertains to this objective at a 74% level of accuracy.

2 b. Description of Data Collection & Assessment Results:

The Fall 2003 Cohort completed this course during Fall 2003; however, reporting procedures were still under development and these data were not recorded. Beginning with the Fall 2004 Cohort, these data will be collected, analyzed and reported.

2 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #8:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 8: ELECTRICAL/ELECTRONIC SYSTEMS

Access and use technology appropriate to one's industry or field of study.

A. Formative Means of Assessment for Objective Identified Above:

3 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Komatsu Formative) This assessment will take place during the Komatsu Basic Electrical Systems Course DHEK 1333: 80% of Komatsu students will complete Komatsu Basic Electrical Systems Course will have completed a mid-semester written exam as it pertains to this objective at a 74% level of accuracy.

3 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Fall 2003 Cohort have not yet taken this course.

3 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

3 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Basic Electrical Systems Course DHEK 1333: 80% of Komatsu students who pass Komatsu Basic Electrical Systems Course, will have completed a written final exam as it pertains to this objective at a 74% level of accuracy.

3 b. Description of Data Collection & Assessment Results:

Fall 2003 Cohort have not yet taken this course.

3 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #9:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 9: MECHANICAL COMPONENTS

Diagnose maintain and repair mechanical components.

A. Formative Means of Assessment for Objective Identified Above:

4 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Komatsu Formative) This assessment will take place during the Komatsu Basic Engine Course DHEK 1213. 80% of Komatsu students who complete the Komatsu Basic Engine training will have passed a written mid-semester basic engine exam as pertains to this objective at a 74% level of accuracy.

4 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

This assessment was not recorded. Beginning with the Fall 2004 Cohort, this information will be collected, analyzed, and reported.

4 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

4 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Basic Engine Course DHEK 1213. 80% of Komatsu students who pass the Komatsu Basic Engine Course will have passed a written final exam as pertains to this objective with a 74% level of accuracy.

4 b. Description of Data Collection & Assessment Results:

100% of all students demonstrated their ability to diagnose maintain and repair mechanical components with an accuracy of 74% or above as evidenced by a persuasive speech. These data were collected and reported by Speech faculty using the SCT database.

4 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #10:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 10: HYDRAULIC / PNEUMATIC SYSTEMS

Diagnose maintain and repair hydraulic and pneumatic systems.

A. Formative Means of Assessment for Objective Identified Above:

5 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Komatsu Formative) This assessment will take place during the Komatsu Basic Hydraulics Course DHEK 1323. 80% of Komatsu students who complete this training will pass a written exam as it pertains to this objective at a 74% level of accuracy.

5 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Fall 2003 Cohort has not yet taken this course.

5 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

5 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Basic Hydraulic Course DHEK 1323. 80% of Komatsu students who complete this training will pass a written final exam as it pertains to this objective at a 74% level of accuracy.

5 b. Description of Data Collection & Assessment Results:

Fall 2003 Cohort has not yet taken this course.

5 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #11:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 11: MOBILE AIR CONDITIONING SYSTEMS

Diagnose, maintain and repair Mobile air conditioning systems.

A. Formative Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) (Arts and Sciences, formative)

(Komatsu Formative) This assessment will take place during the Komatsu Vehicle Air Conditioning Systems Course DHEK 2653. 80% of Komatsu students will complete a written exam as pertains to this objective at a 74% level of accuracy.

2 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Fall 2003 Cohort has not yet taken this course.

2 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This Assessment will take place during the Komatsu Vehicle Air Conditioning Systems Course DHEK 2653. 80% of Komatsu students will complete a final written exam as pertains to this objective at a 74% level of accuracy.

2 b. Description of Data Collection & Assessment Results:

Fall 2003 Cohort has not yet taken this course.

2 b. Use of Results to Improve Instructional Program:

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Academic Programs Form C

ASSESSMENT REPORT

Intended Educational (Student) Objective #12:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

PROGRAM Objective 12: POWER TRAIN SYSTEMS

Diagnose, maintain and repair power train systems

A. Formative Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) (Arts and Sciences, formative)

(Komatsu Formative) This assessment will take place during the Komatsu Wheel Loaders Course DHEK 2523. 80% of the Komatsu students will complete a written exam as it pertains to this objective at a 74% level of accuracy.

2 a. Description of Data Collection & Assessment Results: (complete this section in summer after assessment results are in)

Fall 2003 Cohort has not yet taken this course.

2 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

B. Summative Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success:

(Komatsu Summative) This assessment will take place during the Komatsu Torque Converters and Transmissions Course DHEK 2513. 80% of the Komatsu Students will complete a written final exam as it pertains to this objective at a 74% level of accuracy.

2 b. Description of Data Collection & Assessment Results:

Fall 2003 Cohort has not yet taken this course.

2 b. Use of Results to Improve Instructional Program: