A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 1
Lab Hours/Week: 2
OJT Hours/Week: *
Prerequisites:
This course requires all three of these prerequisites
  DIES 1635 - Hydraulic Fundamentals (Number of Years Valid: 5)
  DIES 1636 - Power Trains I (Number of Years Valid: 5)
  DIES 1640 - Diesel Engine I (Number of Years Valid: 5)
Corequisites: None
MnTC Goals: None

Students study and practice service procedures necessary on heavy equipment and heavy trucks. Equipment includes dozer, motor grader, elevating scraper, front end loader, skid loader, lift truck, dump truck, and tractor backhoe.

B. COURSE EFFECTIVE DATES: 01/12/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Demonstrate proper shop safety procedures.
2. Demonstrate ability to read and understand informational manuals and computer.
3. Demonstrate an ability to perform equipment inspections.
4. Demonstrate ability to service equipment correctly.
5. Demonstrate an ability to operate equipment safely.

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate industry safety precautions required when working around heavy equipment and trucks.
2. The learner will demonstrate correct industry maintenance and preventative maintenance procedures on heavy equipment and trucks.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted