A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 1
Lab Hours/Week: 2
OJT Hours/Week: *

Prerequisites:
This course requires both of these prerequisites
DIES 1631 - Hydraulic Fundamentals (Number of Years Valid: 5)
DIES 1634 - Power Trains 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. Prerequisite: DIES1631 and DIES1634.

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