DIES 2396: Caterpillar C15 Electronic Diesel Engine Fundamentals and Electronic Troubleshooting

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 2
Lab Hours/Week: 2
OJT Hours/Week: *
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course is an introductory course on Caterpillar C15 electronic diesel engines. Specific study will include the Electronically Controlled Unit Injector (EUI) fuel system, component disassembly and reassembly procedures, correct adjustments to fuel system, and electronic troubleshooting. Current industry-training equipment such as Caterpillar Service Information System (SIS) and Caterpillar Electronic Technician (ET) will be used to troubleshoot and repair Caterpillar C15 electronic diesel engines.

B. COURSE EFFECTIVE DATES: 01/01/2019 - 05/13/2021

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted