Diesel and Heavy Equipment

Upon completion of the Hibbing Community College Diesel and Heavy Equipment program, the graduate will be able to:

1. Demonstrate professional behavior that reflects integrity, accountability, responsibility, and ethical practice.
2. Work collectively and collaboratively, exhibiting skills in leadership, perseverance, and integrity.
3. Demonstrate the ability to work safely and recognize safety hazards.
4. Establish a basis of using test equipment for troubleshooting Mechanical situations.
5. Demonstrate knowledge of the operation of a diesel engine.
6. Exhibit basic troubleshooting of electrical systems used in heavy equipment and their repair.
7. Demonstrate the ability to troubleshoot hydraulic systems.
8. Demonstrate the ability to troubleshoot heavy duty air and hydraulic brake systems.
9. Exhibit the use of precision measuring tools.
10. Demonstrate the operation of manual and automatic transmissions.
11. Demonstrate the repair of differentials and planetary axles.
12. Establish the necessary skills for undercarriage repair.
13. Demonstrate the operation of steering systems.