**Brakes**

**Course Information**

Brakes will cover the theory and operations of hydraulic and air brake systems, teaching troubleshooting, disassembly, inspection and adjustments of hydraulic and air brake systems, including ABS.

**Developers:** Diesel Technology State Curriculum Committee

Corey Isbell, North Central KS TC; Kris Jones, North Central KS TC; Ken Mills, Salina Area TC; Mike Parker, Salina Area TC; Fred Moranz, Highland CC; Colby Kline, Dodge City CC; Jay Thowe, Washburn Tech; Zachary Frisbie, Washburn Tech; Donna Droge, Washburn Tech; Brenda Chatfield, Northwest KS TC; Oura Garrett, Northwest KS TC; Greg Unger, Seward County CC; Larry McLemore, Seward County CC;

**Development Date:** 5/6/13 and 10/3/13

**KBOR Facilitators:** Shirley Antes/ Rita Johnson/ Connie Beene

April Henry/ Barbara Stapleton

**Business & Industry Liaisons:** Randy Kemper, Cummins Central Power, Wichita; John Logan, MHC Kenworth, Salina; Anthony Dahl, Foley Equipment, Topeka

**Credit Hours:** 3

**Course Competencies:**

**Students will be able to:**

1. Identify air brakes
2. Inspect air brakes
3. Diagnose air brakes
4. Repair air brakes
5. Identify hydraulic brakes
6. Inspect hydraulic brakes
7. Diagnose hydraulic brakes
8. Repair hydraulic brakes