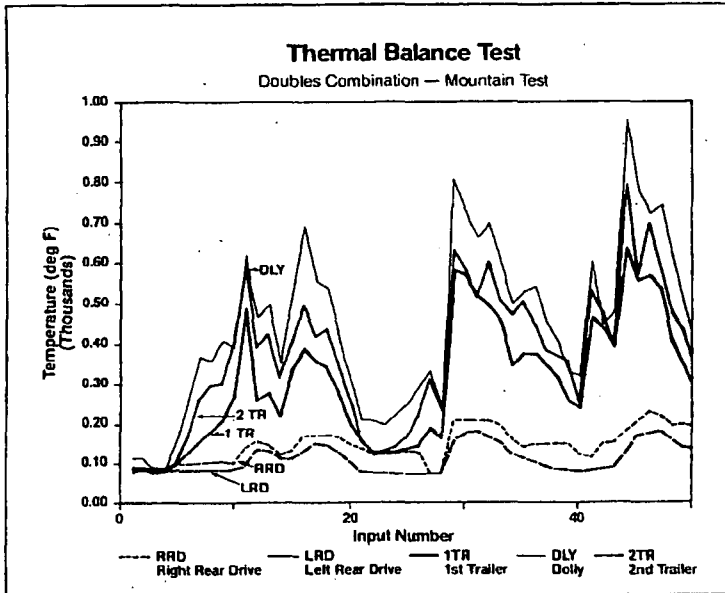


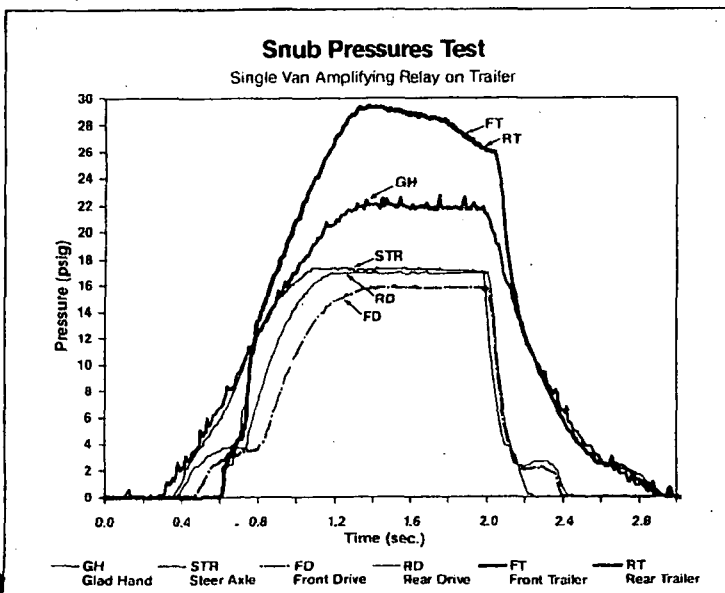
Intensive study.

Over the last three years, we have conducted over 300 studies for fleets

and OEMs to help balance their brake systems. From these tests we have developed a unique data base representing the nature of the brake balance problems faced by industry.



Brake drum temperatures recorded on an Eaton brake balance computer in a doubles rig on a mountain run show temperature buildup to over 500° F in trailer brakes (upper lines), while tractor brakes (bottom lines) stayed at 100° to 150°. Poor thermal balance is proof of tractor and trailer brakes being badly out of balance. This contributes to unsatisfactory brake performance and, in this case, short lining life on the trailer brakes.



Typical brake application for a tractor-trailer combination. The amplifying relay value for the trailer — while speeding up the trailer signal timing — causes significant air pressure imbalance.

Most balance problems lining-related.

Test results indicate that only 30% of industry brake balance problems are air and air timing related, while 70% are related to brake lining and other brake components.

Eaton develops the ultimate solution.

Rapidly increasing work load on brakes and significantly high brake maintenance costs present a major challenge to the heavy duty trucking industry. Proper spec'ing and balanced braking systems help but are not enough.

Eaton engineers responded to this challenge and developed the ultimate solution: the new Eaton Extended Service brake.

Extended service brake.

The key elements of this new brake are as follows:

- 100% compatible with current Eaton and competitive brake products in brake balance.
- 100% compatible with current wheel equipment and fit-up requirements.
- Proprietary non-asbestos lining with a minimum of 25% improved wear rate.
- New geometry single anchor pin brake with 40% increase in wearable lining volume.

The advantages are simple and clear:

- Lower maintenance costs
 - Up to 75% increase in brake reline mileage
 - Up to 75% increase in brake drum change out mileage.