



Product

Custom Pressure-Operated Wet Brake

Application

Mine Vehicles

Highlights

- Custom pressure-operated hydraulic wet brake design
- Accommodates either a 4 or 5 lug wheel mount
- Reduced inventory – replaced two different brakes
- Easy access for bleeding
- Completely repairable in the field

A mine operator needed drop-in brakes for use on their underground mine cars. They were experiencing failures with the existing brakes and wanted a more reliable solution that could support a 4 & 5 bolt pattern and be repaired in the field. This was important since the mine operates different size cars with smaller hubs for different wheel sizes. The brakes are mounted directly to the mine car's differential.

To meet the customer's needs, Matrix engineers, together with a distribution partner, provided a custom-designed hydraulic wet brake that features an interchangeable wheel pattern that accommodates either a 4 or 5 lug wheel mount. The new pressure-operated brake design significantly reduced the customer's inventory requirements since it replaces two different existing brakes.

The brakes are totally enclosed to protect against contamination in the dusty mine environment. The brake design provides easy access for "bleeding" and can be completely repaired on-site.

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