

Haul Truck Brake Filtration

Operational & Component Improvement

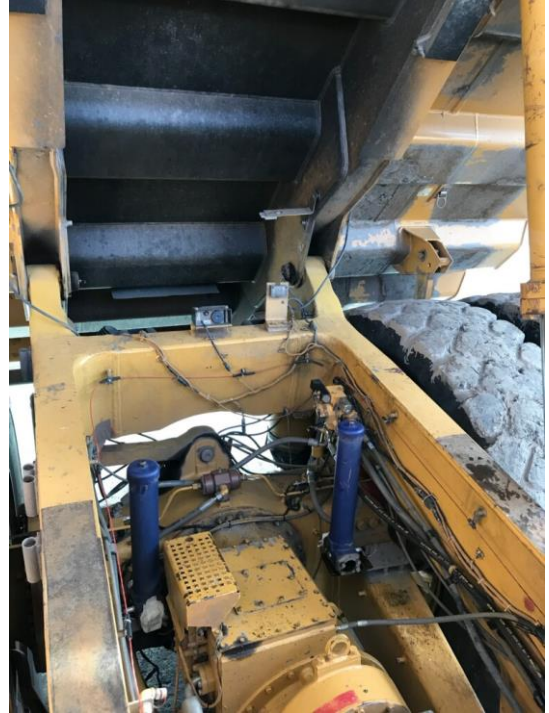
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Problem

A large mining customer was experiencing short component life in their haul truck fleet. One issue was contamination related to wear in the brake packs causing premature failure in the final drives. The final drive life was averaging 1612 hours.

Solution

Pall Athalon filters were installed in the brake cooling circuit of the final drives. They were equipped with a 35 PSID differential pressure monitor with a light wired to the cab.



Results

Before the drives were failing on average every 1612 hours. After the installation of the Pall Athalon filters the drives have gone over 4200 hours with no failure yet.

Particle Count Summary

Particle Size	BEFORE Avg. # per ml	AFTER Avg. # per ml
4µm(c)	33,486	781
6µm(c)	8,164	234
14µm(c)	1,204	12



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