

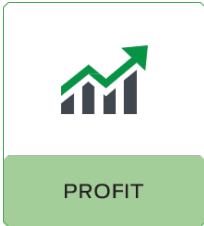
Introduction to OEI Magnetic Filtration



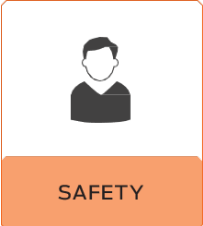
SOLVING TOMORROW'S CHALLENGES, TODAY.

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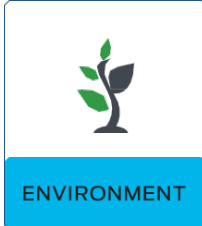
CORE TECHNOLOGY



Improve equipment reliability and in turn increase profitability.



Reduce unplanned maintenance and improve team safety.



Clean instead of dispose and protect your environment.

The patented, magnetic filter element attract ferrous wear particles down to and below 4 microns (μ) with up to 95%+ efficiency.

- Cleanable and reusable for 18+ years with minimal consumables.
- Filtration capability exceeds ISO fluid cleanliness standards.
- High dirt holding capacity allowing for longer service intervals.



EXTENDED ↑

- Fluid Life (av. 2.5x)
- Filter Life
- Equipment Life (av. 2.5x)
- Service Intervals (av. 2.5x)

REDUCED ↓

- Filter Costs
- Fluid Costs
- Disposal Costs
- Labour Costs



EXTENDING MAINTENANCE INTERVALS

BMA Blackwater Mine

HAUL TRUCK ENGINE REBUILD PREVENTION SAVES \$251,760



- Haul truck engine diagnosed for rebuild after 13,000 hours vs. standard 16,000 hrs.
- ADD-Vantage 9000 replaced CAT filters and prevented engine rebuild. Truck remained in production for 17,500 hrs.
- Savings: **\$251,760**

[Read Case Study](#)

Gold Mine, South Africa

EXTENDED HAUL TRUCK OIL CHANGES AND ENGINE REBUILDS SAVES \$1.45 MILLION



- Mine site haul truck engines were failing from wear contamination
- OEI filter extended meantime-to-failure, oil changes and rebuild times on 1 haul truck.
- Annual Savings: **\$1,450,000**
- Mine site outfitted 36 more trucks.

[Read Case Study](#)

Gold Mine, South Africa

\$14 MILLION SAVINGS from \$17K INVESTMENT on GEARBOX REPLACEMENTS



- Haul trucks had bearing failures 1-3/week.
- Site operates 92 haul trucks at 15 hours/day.
- Magnetic filters prevented failures for 2 years.
- 2-year savings from failures prevented: **\$14,144,000**

[Read Case Study](#)

Deployment:

Dispensers
Engine Coolant
Engine Fuel
Engine Lube Oil
Gearboxes
Hydraulics
Turbines
Pumps
Transmissions
Cooling Systems
Pneumatics



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