

PROTECTED BY

MAGSHIELD®



MAGNETIC PRE-FILTRATION IS BEST PRACTICE FLUID PROTECTION

MAG-SHIELD®

MAGSHIELD® magnetic pre-filtration protects **high-value machinery** by intercepting **iron particles** within hydraulic and fluid systems. These **ultra-high-capacity magnets** work alongside standard **OEM filters** to increase the effectiveness of your existing filtration system. The result: **more uptime, less wear, and lower operating costs** in heavy equipment, stationary systems, and mobile mining equipment.

"Keeping nearly a thousand pieces of mining machinery operating required the best reliability strategies available. Here's why we made MAGSHIELD® an integral part of our mobile equipment fleets."

Mike Hynes, Superintendent of Reliability, North American Construction Group

Mag-Shield®'s design and location **direct** 100% of returning fluid through an inescapable magnetic field, without restricting or altering flow to the suction side. The magnetic technology intercepts ferrous material on every pass, ensuring the fluid is cleaned before returning to any vital pump suction ports in the system. This protects and **improves** the performance of traditional media filters and **minimises** the likelihood of the system entering bypass.

MAG-SHIELD® REDUCES OR ELIMATES:

- ☒ Slurry build-ups
- ☒ Cavitation in the system
- ☒ Wear and tear
- ☒ Premature component wear
- ☒ Secondary component failures, and
- ☒ Additional maintenance events following component failures

Ergonomic in tank design to ensure low differential pressure or no turbulence in system

Proprietary design incorporating top quality and high capacity rare earth magnets to capture and hold more

Patented modular format for easy installation and application across all equipment types

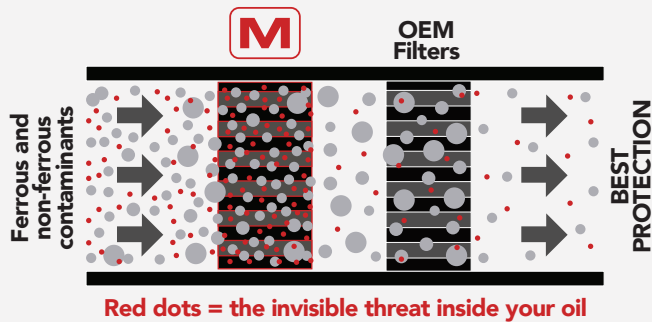
Highest quality materials and manufacturing methods to ensure it lasts the life of the asset

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HOW MAG-SHIELD® WORKS:

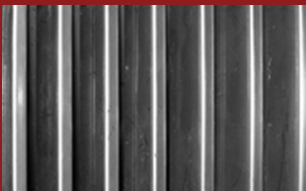


Mag-Shield® is easily installed inside the reservoir with no fabrication or modification required.

- ✓ Designed to capture 100% of returning fluid **without restricting or altering flow** to the suction side.
- ✓ **Intercepts ferrous material on every pass**, ensuring fluid is cleaned before returning to any vital pump suction ports.
- ✓ **Improves the performance of OEM filters** and minimise the system entering bypass

Mag-Shield® can be used for metal reduction in most oil-based fluids including hydraulic fluid.

MAG-SHIELD® IN ACTION:



Pre-installation



During regular operation



Following system failure

BENEFITS OF THE MAG-SHIELD® MAGNETIC PRE-FILTRATION:

- Extend component life**
- One-time investment**
- Reduce equipment downtime**
- Improve OEM filter performance**
- Reduce follow-on failures**
- Trusted on-going protection**

EXPLORE THE FULL RANGE OF MAGSHIELD PRODUCTS

PROTECT

MAG-SHIELD®

MAG-SHIELD® X

Proactive protection to keep your high value equipment operating

DIAGNOSE

MAG-PROBE®

MAG-SAMPLE® PRO

Precise diagnostic product to minimise failures in fluid systems