

MAGSHIELD®

NEXT GENERATION BEST PRACTICE
for fluid contamination control



MAG-SHIELD® – NEXT GENERATION BEST PRACTICE FOR CAT 994

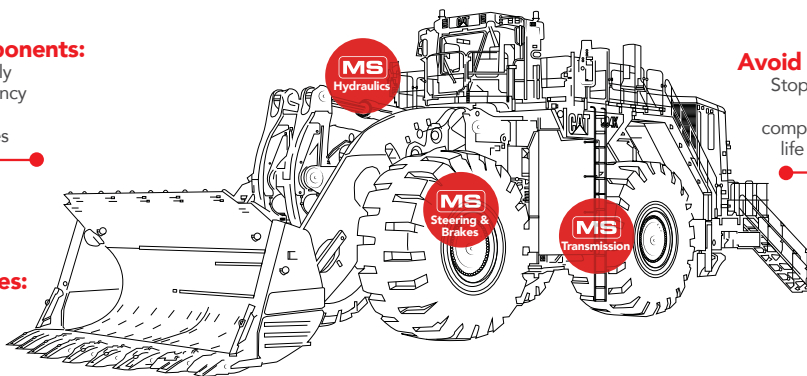
Want to proactively tackle common CAT 994 issues head-on?

Protect Vulnerable Components:

Protect against common and costly component failures in high frequency of use areas such as hydraulics, transmission and steering & brakes

Reduce Secondary Failures:

Help with post-component failure clean-up by capturing stubborn ferrous contaminants which cause expensive additional damage



Avoid Persistent Contamination:

Stop ferrous contaminants not captured by standard media filters, which compromise fluid quality and shorten the life of oil, filters and other components

Minimise Unnecessary Downtime:

Avoid prolonged repair times associated with hydraulic circuit failures and extend time between normal service intervals

What is MagShield®?

MagShield® magnetic filtration protects your hydraulic or fluid system from the consequences of iron contamination as it happens.

The MagShield® Difference is

- ✓ Capture contaminants as small as 0.1 micron
- ✓ Hold up to 950 grams of ferrous material
- ✓ Stop 99% of ferrous contamination from recirculation
- ✓ Zero flow rate impact and less than 2 PSI pressure drop under normal operation

Benefits for CAT 994

Cost Benefit

- 50% lower servicing costs
- 50% to 85% less downtime
- >50% reduction in repair costs

Improve Reliability

- > 12% longer component life
- 66% fewer serious initial failures
- Elimination of secondary failures

Environment

- Cleanable filter that lasts the life of the machine
- Prolongs the life of oil, media filters and components minimising waste and the impact on the environment

Economical

- One off investment, representing less than 0.5% of machine cost
- Low-maintenance
- Complements OEM filtration



Business Case Scenarios



Oil life extended by average of 2x or 100%



Component life extended by ~12% to ~20%



Full cost impact of component failure mitigated

* Results will depend on circumstances

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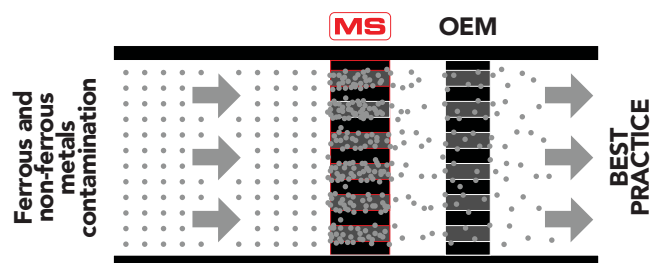


How Mag-Shield® Works:

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

- ✓ Designed to be located to capture 100% of returning fluid **without restricting or altering flow** to the suction side
- ✓ **Removes ferrous material on every pass**, ensuring fluid is cleaned before returning to any vital pump suction ports
- ✓ Protects and **improves the performance of traditional media filters** and minimise the system entering bypass

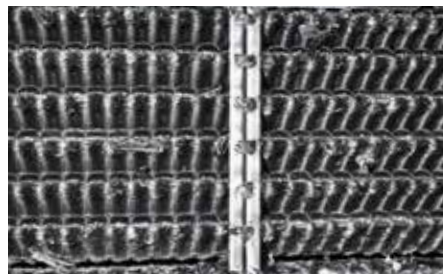
Mag-Shield® can be used for metal reduction in most oil-based fluids including hydraulic fluid.



Mag-Shield® in Action



Main reservoir installation



Debris collected after system failure

Join other industry leaders in implementing the **NEXT GENERATION BEST PRACTICE** for fluid contamination control

"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



RioTinto



GLENCORE



BHP



Enhance your CAT 994 fleet today

CONTACT US

for pricing and discover the innovation that redefines performance!