

3 THINGS to Know About Me...



Roger Simonson 
CEO, One Eye Industries, Inc.

1. I have a passion for finding a better way – there is always a better way, you just have to discover it.
2. I am a serial entrepreneur. I started my first company when I was 12. I made haunted houses out of cardboard boxes, and I charged the neighbourhood kids admission to my “House of Horrors.” That admission was two refundable beverage containers. From the beginning, I recognized the opportunity to combine financial and environmental considerations – and it is a business model that guides our group of companies, everyday.
3. I hold a lot of respect for education and personal development, and I support programs that build strong kids. It’s about foresight and planning; I want to work with smart people who bring diverse perspectives.



How does CleanMud Work?



CleanMud Magnetic Filtration System



In the Field:

A CleanMud Filtration System was employed on a 1500 HR Oil Rig, using oil-based mud (OBM). Our pilot project analyzed our filters for wear contamination and financial savings.

Wear contamination:

Wear contamination accumulates and flows through the entire value chain, leading to erosion of all components. After just a six-hour cycle, our CleanMud filter collected over 100 lbs. of contamination.

In this project:

- More than 55% of particles were below 4 microns
- 35% of particles were below 1 micron
- Breakdown of wear contamination removed by weight:
Mud Volume: 58,000 gal
Weight per gal: 15.7 lb/gal
Total system weight: 923,160 lbs
Total contamination removed: 13,822 lbs
Contamination by weight system: 1.5%

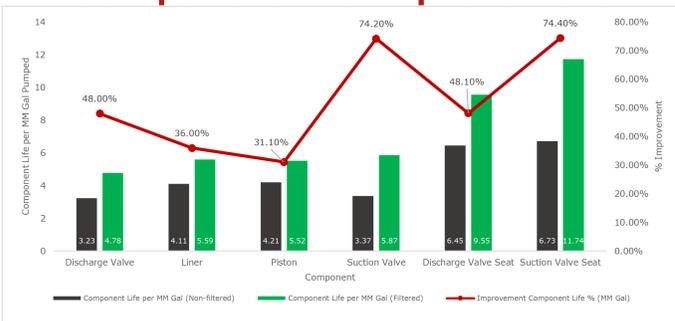
The above pictured CleanMud Magnetic Filter Array employs 14 - 2" D x 48" L magnetic filter elements.

What were the financial savings?

When analyzing financial savings, we considered both the key component life extensions and the reduction of equipment breakdown.

Components in a high-pressure pump saw an increase in extended life across the board and experienced financial return, based on the criteria of key component life extension and reduction of equipment breakdown at 1.56 years.

Component Life Improvement



* When considering all equipment components and downtime savings, users could experience a return on their investment in less than one year.

What is your competitive advantage?

Our studies have found additional savings by:

- Increased production time
- Supply chain saving
- Reduced labour and overhead
- Higher well turnover
- Asset life extension

Additional benefits include:

- Reduce ESG risks
- Increase market share

CleanMud

Resetting the standard for drilling fluid cleanliness

What is CleanMud?

CleanMud™ is a custom-designed Magnetic Filtration System for cleaning wear contamination from drilling fluids. Drilling operations are being conducted faster and at higher temperatures and pressures which are increasing the production of wear contamination. With this, metal-on-metal wear in the drill string along with formation release has increased significantly.

CleanMud is a division of One Eye Industries, Inc. (OEI). OEI designs and manufactures magnetic filtration systems for rotating equipment fuels, lubrication oils and fluids. As the sustainable alternative to conventional filters, each filter is optimized for its application and exceeds fluid cleanliness standards. This helps to prevent failure, reduce unplanned maintenance and minimize downtime. The initial cost of an OEI product is quickly realized in the continued savings the product brings to any reliability program.

Why should CleanMud be used in drilling operations?

CleanMud is a game-changer as the increased volumes of wear contamination causing damage to the high-pressure pumps and drill string components have increased costs and reduced drilling production. The most damaging wear contaminants are iron, steel and silica under 4 microns in size. These contaminants act like sandpaper, wearing down equipment components and accumulate in increased volumes. Traditional technologies like shakers, centrifuges and ditch magnets are unable to remove wear contaminants under 20 microns.

Particles that are under 4 microns cause more than 55% of premature wear of the fluid end components in high-pressure pumps and all components through the drill string. For best protection, drilling and completion fluids should be filtered to remove more than 90% of this contamination, prior to commencing operations.

How does CleanMud work?

CleanMud Magnetic Filtration Systems employs patented technology that utilizes high-quality rare-earth magnetics as the filter media. The system is designed for 95+ % removal of wear contamination down to 0.5 microns in size.

Who should be using CleanMud?

There are positive financial, operational, safety and environmental benefits for all users in various applications, including:

Stakeholders:

- Operators
- Drilling contractors
- Completion contractors
- Mud suppliers
- Well stimulation contractors

Applications:

- Oil-based mud
- Water-based mud

For more information on One Eye Industries, Inc. [CLICK HERE](#)

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