Mining & Haul Truck Filtration Systems

1. Rear Differential, Wheel Motor, Hydraulic, and Transmission Filtration Systems

2. On-board Filtration Systems for Rear Differential and Hydraulic Systems

3. Crusher Filtration Systems
I. Rear Differential, Hydraulic, and Transmission Filtration Systems

Obtain ISO Cleanliness Codes as low 15/12/9 within minutes.

Exceed OEM Oil Cleanliness Specifications.

On Board Laser Particle Counter to obtain particle counts and ISO Cleanliness Codes On sight.

Simple Hookup for One Man Unattended Operation.

Electrical & Pneumatic Power Options.

Shutdown control when filter plugs and target ISO cleanliness code is reached.

Handle ISO 680 Gear Oil with ease.

Attached Reservoir Options.
Hydraulic & Rear Wheel Motor Filtration System

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3 GPM System with Heater Option

20 GPM System on a Hydraulic System

![After Filtration ISO 14/12/9](image1)
![Before Filtration ISO 22/21/18](image2)
On Board Filtration Systems for Mobile Mining Equipment

2 GPM Model with Dual Elements
Size: 24" H X 24" W X 12" D
Note the 24 Volt DC Motor
On Board Filtration Systems

Compact for use on Rear Differentials and Hydraulic Systems for Haul Trucks and Loaders.

Flow Rates from 0.5 to 2 GPM.


High Efficiency Filter Element with High Dirt Holding Capacity and High Particle Retention.

Differential Change Filter Element Indication – with external light that can be mounted in the cab.

Dust Tight and Water Tight NEMA 4 Enclosure.

Typically mounted above Rear Differential on Haul Trucks.

24V DC Motor Full Load Amps = 13.5

Actual Application on CAT 994 Loader in Nevada

<table>
<thead>
<tr>
<th>ISO Code</th>
<th>Base Line: 22/16</th>
<th>After 1.5 days: 18/15</th>
<th>After 1 week: 15/13</th>
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2 GPM Model with Single Element
Size: 20” H X 16” W X 8” D

Actual On-board System with Door Removed for Inspection
Crusher Filtration Systems

Many crusher applications have high particulate ingestion. Consequently, premature bearing wear and oil circulation pump malfunction is prevalent. We have worked with numerous mining customers and developed filtration systems to remove excess particulate.

Our systems have eliminated premature bearing and pump wear thus eliminating the high cost of unscheduled downtime.

One of the most effective ways is to install our systems is along side the existing crusher lube system lube oil reservoir. This is depicted in the schematic to the right.

Our systems provide high capacity filtration with high efficiency particulate removal. Our customers now replace only filters at a fraction of the cost of new crusher parts and unscheduled downtime.

Before Filtration:
ISO 22/20/18

After Filtration:
ISO 16/14/12
Call us today because we want to be your mobile filtration solutions provider!

5 systems sold to one copper mine in Arizona for CAT 797 Haul Trucks

CAT 797 Haul Truck