



**FILTER  
TECHNOLOGY**

PRODUCTS FOR

**Mining**

cleaner fluids mean better business



*On-board filtration systems for industrial oil extend fluid and component life dramatically*



**Mining companies have a diverse range of equipment: earth-moving, drilling, conveying, coal washing and loading facilities to light vehicle fleets.**

**Maintaining and operating the equipment are typically the highest costs outside of the original purchase price.**

Costly loss of production due to machine component failure are critical to a mine's bottom line.

Mining is often carried out in difficult and remote environments, with highly abrasive dust a fact of life. Filter Technology products are designed specifically to cope with these conditions.

Filtration plays an important part in the machine's longevity. Whether it be air, oil, fuel or a breather, preventing ingress of foreign particles into a machine will increase machine life. Contamination accelerates oil degeneration. The cleaner your oil and fuel systems, the longer your components will last.

Filter Technology products used in mining environments include:

- **Fuel filtration units**
- **Engine oil filtration units**
- **Industrial oil and fuel filtration units**

Customers' experience has proven that installing Filter Technology Australia's filter systems can significantly lower your company's operating costs.



#### **APPLICATIONS**

- **On-board oil and fuel filtration for excavators, draglines, haul trucks, mine utility vehicles etc.**
- **Kidney loop filtration units for cleaning industrial oil in gearboxes, final drives, diffs etc.**
- **Bowser fuel filtration units.**
- **Bulk filtration systems for industrial fuel and oil.**



Bulk fuel filtration systems prevent contaminants from entering vehicles' fuel systems, improving reliability and performance, as well as reducing wear and breakdowns.



Kidney loop filtration on final drive unit using mobile filtration buggy

Oil before and after filtration

## Product Range for Mining Applications

Filtration Units		
Type	Model	Filter Arr.
Engine Oil	FM3001	No 1 housing
	FM3002	No 2 housing
	FM3003	No 3 housing
	FM3004	No 4 housing
Engine Fuel	FM3101	No 1 housing
	FM3102	No 2 housing
	FM3103	No 3 housing
	FM3104	No 4 housing
Industrial Oil & Fuel	FM3201	No 1 housing
	FM3202	No 2 housing
	FM3203	No 3 housing
	FM3204	No 4 housing

Fixed Filtration Systems		
Type	Model	Filter Arr.
Industrial Oil	FM40245	FM3204
	FM40345	FM3204
	FM40445	FM3204
	FM40645	FM3204

Fuel Bowser Systems		
Type	Model	Filter Arr.
Fuel	FM40243	2 x FM3204
	FM40343	3 x FM3204
	FM40443	4 x FM3204

Mobile Filtration Systems - FM5 Series Filtration Buggies				
Type	Model	Filter Arr. and Options		
Available in <b>Lightweight or Heavy Duty</b>	FM502 Series 2-wheel Filtration Buggy.	FM50212	2 x FM3204	
		FM50222	Options include heater, 24 V DC control, variable drive or air driven.	
		FM50232		
	FM504 Series 2-wheel Filtration Buggy	FM50242		
		FM50252	Option: Underground Compliant available	
		FM50262		
		FM50270		
<b>Heavy Duty</b>	FM504 Series 2-wheel Filtration Buggy	FM50412	4 x FM3204	
		FM50422	Options include heater, 24 V DC control, variable drive or air driven.	
		FM50432		
	FM504 Series 2-wheel Filtration Buggy	FM50442	Option: Underground Compliant available	
		FM50452		
		FM50462		
FM50470				

Note: 3 phase options available for all 5 Series products except FM50270 and FM50470.

Mobile Filtration Systems - FM6 Series Filtration Buggies				
Type	Model	Filter Arr. and Options		
<b>Heavy Duty</b>	FM6 Series 3-wheel Heavy Duty Filtration Buggy	FM60432	4/6/8/10 x FM3204	
		FM60632		
		FM60832	Options include heater, variable drive	
	FM604 Series 2-wheel Filtration Buggy	FM60442		
		FM60642		
		FM60842		
		FM60452		
		FM60652		
		FM60852		
		FM60462	4/6/8/10 x FM3204	
FM60662	Air driven. For hyd. apps.			
FM60862				
FM60470				
FM60670				
FM60870				

Note: 3 phase options available for all 6 Series products except FM60470, FM60670, FM60870.

Mobile Filtration Systems - FM7 Series Filtration Buggies		
Type	Model	Options
FM7 Series 4-wheel Filtration Buggy	FM71012	3 hose reels. 32 LPM pressure driven variable drive. For mech. drive trucks.
	FM71022	3 hose reels. 32 LPM pressure driven variable drive. Bulk compartment for flushing diff housing. For mech. drive trucks.
<b>Extra Heavy Duty</b>	FM71042	Built to filter 680 synthetic oil in electric drive haul truck final drive. 3 step system process. Heater with automatic temp. control.



**Note:**

Filter Technology Australia also designs and builds filtration units to cater for customers' specific requirements. Please note that due to our policy of constant improvement, product specifications and descriptions are subject to change without notice.

