



Magnetic Scrubber Extends Water Pump Life by Removing Iron & Other Ferrous Contaminants

The Challenge

Water wells with iron content often prematurely wear out the water pump. Micron sized particles of hard iron eat the pump impellers, seals, gaskets and other critical parts of the system. Western Canada's largest campground needed a way to extend pump life.

Riverbend Campground has a normal amount of iron in their well water, "and the water pump runs almost continually so we expect them to burn out every year" says Gerry Herman, the operations manager.

The Solution

"We installed a Series 5000 Scrubber before the pump and there have been no further pump problems at all. We bought an extra pump with the expectation that the existing one would fail in October - just like all of the others for the last 8 years. We went to inspect the pump and normally there is a pool of water around it but this time the ground was dry. Not even one drop of leakage. Amazing."

The magnetic filter rod from the Series 5000 Scrubber was removed for inspection and it was covered in rust particles removed from the water. Those particles are the very same ones that would have normally eaten the pump impeller to almost nothing.

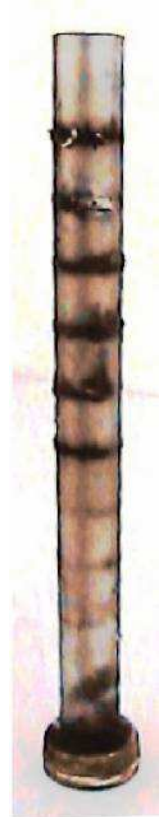
Gerry goes on to say that he, "is more than pleased to let that replacement pump sit in its box. The way I see it, that scrubber has paid for itself and the new pump a few times over. Now it is just money in my jeans."

Technical Description

Designed for inline installation on water, fuel, oil, hydraulic and coolant systems with high flow rates in high & low pressure systems, FilterMaster Series 5000 Scrubbers:

- Are constructed of 316 stainless steel offering high corrosion resistance, no reduction in flow pressure, and no internal bypassing
- Have a magnetic filter that is also made from 316 stainless steel with patented high-strength rare-earth magnetic technology
- Have an optional Cam-loc closure for easy inspection and cleaning
- Are vibration resistant and capable of constant operation at 3 00°F
- Are warranted for 5 years with an operational life longer than 10+ years
- Tested and charted as per industry standards and CWB certified.

The incredibly strong magnetic fields generated by the Series 5000 allow it to remove ferrous contamination from most all fluids. Magnetic fields of this strength are needed to filter very fine particles – less than 10 microns – with a small mass especially when the fluids are traveling in "high flow" and "high pressure" applications.



Series 4000 Magnetic Scrubber Rod which captured the above ferrous contamination from a water well before it entered the pumping system.