

Test Report – HF-SP 17 (SP520) ABC Vending .Scunthorpe.

Water Hardness : 500 – 550PPM

Test Sites : 2

Machines : 3

1. Rich Boys Toys – Scunthorpe – 1 x Coffee Machine.
2. Perrys of Doncaster (Volvo) – 2 x water boilers 1 x Coffee machine.

1. Date of Install : 15.02.2013 x 1 filter
2. Date of install: 29.06.2013 x 2 filters

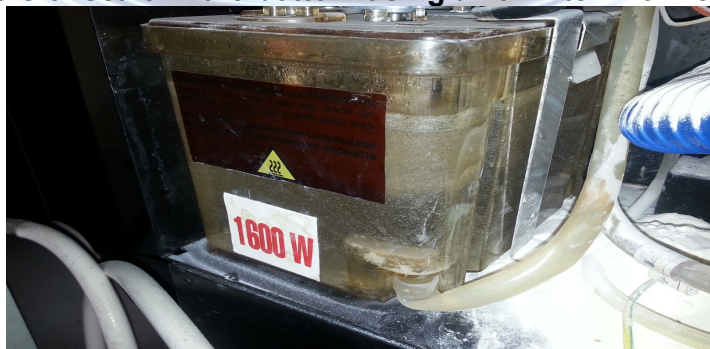
On my return to site 1, we took a water test before and after the filter using the test kit supplied by Watch Water. This enabled us to see if the filter was still working correctly.

The water before, became very cloudy, showing a great deal of hard water(R/H of pic below).

The water after showed that the filter was still working, with clear water(L/H of Pic below)



After this we removed the rear cover of the machine to show the clear tank, this showed very little growth of any type of scale build up, unlike before when there were layers of scale in the bottom using a 10" filter with 75ml of SP3.



Previous pictures from this particular machine show scale build up after only 3 months using a Ion exchange filter.(Below)



The above type of hard scale caused valve problems on the machine, and unnecessary call outs for the service provider.

The HF-SP17 (Now SP520) filter has shown on this machine alone a complete reduction of hard scale by 100%. This has meant that a normal monthly service visit to this client has changed to 6 monthly intervals, saving the service provider ABC vending, over \$100 month. To say he is very pleased is an understatement.

John Housley – MD –ABC Vending – Scunthorpe.

“ I am extremely grateful to Jim Redford and H2O Direct for allowing us to test these highly effective filters.

We have had for many years severe problems with scale build up in our coffee machines and water boilers in our areas, something that costs us time and money on servicing.

The New filters that Jim provided to us, have shown to be extremely resilient to stopping this scale build up and help us to cut our service costs down.

I will now be ordering more filters to cover all of our machines!”

Perrys of Doncaster – Water Boilers

ABC vending supply, maintain and service 2 x water boilers AA1200L(below) and 1 x coffee machine at this car showroom.



The water boilers are troublesome, as they tend to scale badly within 3 months and need descaling at this period of time, even with the Scale guard pro (above) filter fitted! So not only is it costing a great deal of money in filters(\$120), but its also costing time for the engineer to descale the machine.

The boilers / coffee machine were fitted with HF-SP17 (SP520) filters on 29.06.2013 at this site.

One boiler was completely descaled(no1) and 2nd boiler had 3 months scale inside and was left this way to see if the scale grew after this time of testing.

NO1 Boiler:

In inspection the boiler was found to be completely clean inside ,with no scale or sediment, see below picture.



Very clean and no scale on sides at all.

Boiler Number 2 :

Boiler number 2 did not have any further growth of scale and still worked fine.

After this test we de scaled the machine to make sure it is fully clean for the customer. :

After we looked inside the boilers, we also tested the water with the test kits supplied by WATCH WATER.

Boiler 1 - before filter (left) and after filter (right).



This shows that the filter is still working (clear water on RH side) at stopping scale build up after extensive use on water @ 550ppm.

Boiler 2 :

before filter (Right) and after filter (Left).



From our results this shows the capacities on the filters and the 6-month and 12 month terms for exchange/replacement as far as we can see are very good.

We already have many customers testing the filters throughout the UK, and hopefully soon we will have more test examples.