



Latest News

Covid-19 Update

Fyfe Wilson would like to assure our customers that we remain open during the current pandemic. We have taken the decision to reduce our staff numbers due to the decrease in demand, we are still able to perform all the functions that we normally do. Our counter is still open for dropping repairs off, collecting repaired items or purchasing our range of products, we are working to safe measures within our site whether it is at the counter where we have restrictions of 1 person at a time, workshop where safe dis-

tances are kept to or the reduced office staff.

Please note that any work that we have may take longer to repair when we receive work from the NHS as we are prioritizing these.

During the lock down we have worked on several urgent projects for keeping the hospitals working, companies producing ppe required by NHS staff and also for the pharmaceutical companies working on a vaccine.

Pump Alignment Out

Fyfe Wilson were asked to change a mechanical seal on a pump that kept leaking. We investigated why the pump was leaking and identified from the wear on the seal that there was an alignment issue. Once we connected up our shaft alignment tool, we proved that the alignment was significantly

out between the motor and the pump. This would cause excess pressure on one side of the seal and cause it to wear very quickly, leading to it leaking. Normally we would shim the pump or motor to adjust the alignment but in this case, the adjustment was too big to just shim so we opted to machine the baseplate.

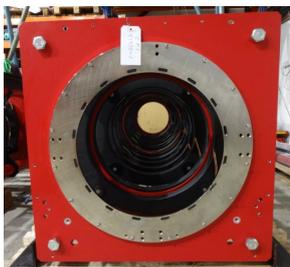


The pump following repair being aligned

The motor and pump were removed from the baseplate and it was taken into our machine shop where the engineer milled it true. It was then repainted before fitting the pump and motor back on and aligning again, this time using shims. The process worked and the pump has not leaked since being put back in operation. The cost of all this work was less than the cost of 2 mechanical seals which normally were replaced every 3 months. It has been running now for six months on the same seal that was fitted by Fyfe Wilson engineers.

More Electromagnets

We recently received an order for another 3 electromagnets that we last made in 2012. The magnets, which weigh 1.4 tonnes contain 650kg of copper wound in 14 coils that have water pipes fitted to allow the magnet to be cooled during operation. The magnets cost around £42K to make and are 36 inches square and 120 inches long. It took



Through the electro-magnet.

some time to find all the jigs as we have moved since the last time we used them. These "electro-magnets for scientific electron particle exploration", to work with super klystron valves will be used by CERN in Switzerland and Spain. The magnets are being shipped to the US to have the klystron fitted.



A completed magnet next to one being assembled

What can we do for you?

- Electric motor supply, rewinds and repair
- Pump supply, repair and maintenance
- Gearbox supply and repair
- Fan balancing, supply and repair
- Electromagnet design, manufacture and repair
- Industrial power drives and inverters
- Electrical installation, wiring and lighting
- Electrical testing
- Electrical fault finding and repair
- Control panel design and manufacture
- Waste, water and sewage systems service, installation and repair
- Generator supply, servicing and repair
- Transmission systems
- Fabrication and welding
- Turning and Machining, batch and bespoke
- Sheet metal work
- General engineering consumables and supply
- Hazardous area repair and installation
- Emergency responsive repairs

Other News

Keith Hunt Retires after 42 years

Our Technical manager has taken the decision to fully retire from the business. Previously working as the works manager, he took on the role of technical manager when he semi retired to work three days per week. Starting his career at Millars Machinery where he carried out an apprenticeship to become an electrical draughtsman he came to work at Fyfe Wilson in 1978 as an electrical draughtsman but soon gained his 15th Edition Electrical qualification. Keith was involved in the design and build of control panels for the water board and a variety of industries, some of these control panels are still in use today. Following this Keith gained experience in the

design and manufacture of electromagnets and transformers that Fyfe Wilson were making and became the works manager. He has a keen interest in traction engines and is responsible for the upkeep of one which can be seen regularly at shows in the local area.



Keith in the eighties looking at actuators for Anglian Water in Boston

Swimming Pool Closure

Recently we had a phone call from a swimming pool whose extract fan had failed. We gathered the details and established that it was a 22KW 4 pole motor that had failed. We went down to site with the motor to establish that not only had the extract fan failed, but the intake fan had failed as well. We had a second 22KW motor in stock so our delivery driver took that down to the site for our engineers to fit. We established that there was a wiring fault on the installation and this was corrected by our

electrician who was attending site with our mechanical team. We were working until ten o'clock at night to get it up and running so that the pool could open the next day. The bill for this was less than the penalty for having the pool closed for one day.

We went back the next day to sort out the backup. The backup had failed several months earlier but had not been rectified. To save money, we took all four motors back to our works to see if any could be repaired cheaper than purchasing a new one. Three were burnt out so were uneconomical to repair but one tested ok after it was washed and stoved. New bearings were fitted and the motor was painted. It was then taken back along with a new motor that was ordered for next day delivery.

Several modifications were made to the controls as the wrong motors were connected in the panel and all was well.



An Intriguing Enquiry

We recently had a bit of a strange enquiry. Could we fit a slide into a residential property. The ceiling was too low to get our porta gantry in so we had to look at other options. Using an A frame, block and tackle, some long slings and some manpower we devised a way to safely lower the slide through the upstairs floor and into the room below and fixed it into place. As the

builders were prevented from continuing their works until the slide was installed, the property owner wanted this done as quickly and efficiently as possible. We managed to get the equipment and a team together to do it the next day. Unfortunately, the slide would not fit properly on the floor, but a quick phone call to our works and a plinth was made and delivered to site so that we could finish the job on the same day.



The bottom of the slide



The top of the slide on the plinth

Fyfe Wilson Facts and Figures for 2019

- 2598 Jobs taken out
- 628 motors repaired
- 91 motors rewound
 - ranging from 0.09KW to 110KW
 - using 0.7 tonnes of copper wire
- 463 pumps repaired
- 189 gearboxes repaired
- 243 new motors sold
 - Ranging from 0.18KW to 37KW
 - TEC Motors, Remco, Brook Crompton, Kingdom Products, Kenworth/Universal
- 107 new pumps sold
- 1342 bearing used
 - Smallest 607 2RS
 - Largest MJT 3 1/2
- 496 seals used
- 35 fans balanced
- 166 Priority repairs (within 24 hours maximum)
- 496 different customers
- 474 Site Electrical jobs
- 430 Site Mechanical jobs
- 234 Electromagnets /Transformers made

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