

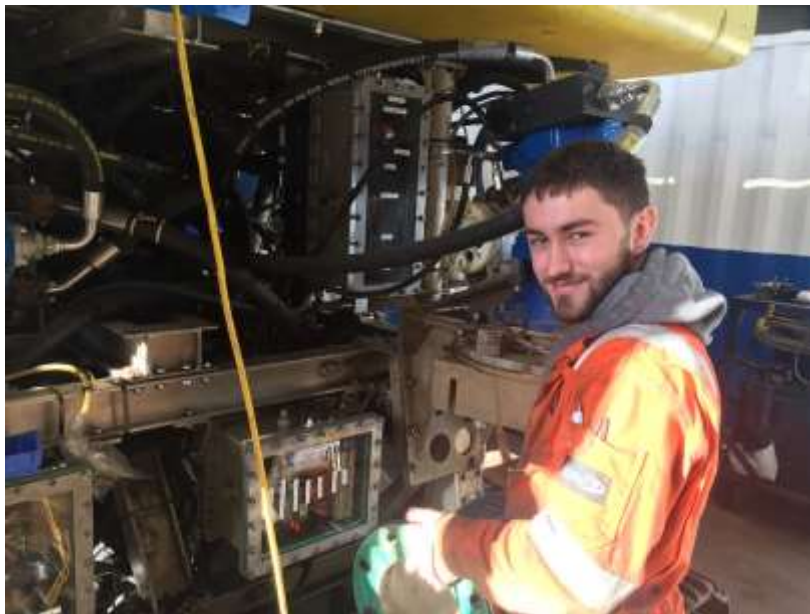


**Jamie Lorimer, Marine Engineering Apprentice**

**(North P&I sponsored).**

**Pharos Offshore, Port of Blyth, Northumberland**

**<https://www.pharosoffshoregroup.com/>**



## **Tasks worked on so far**

Since my last report we have gained some new equipment, a XLS26 ROV and UTV670 trencher. These two vehicles and their supporting equipment have been my focus over the past few months as we refurbish them ready for their first jobs with Pharos. I have completed a range of tasks such as replacing, servicing and altering components to writing up hose registers, work lists and

part requirement lists; the majority of these tasks have been either hydraulic or mechanical and occasionally some electrical work. At this moment in time we have just got the control system up and running for UTV670 and are now functioning and testing the vehicle to fully understand how to operate all the components and check for any faults.

XLS 26



UTV670



### **How off the job training has fit in with my work based tasks**

In November I attended the National Fluid Power Centre in Worksop to complete my stage 1 hydraulics course and then progressed to gain my CETOP H1 certificate. I spent 5 days at the NFPC learning about a range of different aspects of hydraulic systems and components as well as completing practical assignments at a dedicated test rig. All the staff were very knowledgeable and this was supported by dissected examples so you can fully understand the

internal workings of things such as valves, motors, pumps and more; I now feel more confident at work having completed this course.

In December I travelled down to Hydraulic and Offshore Supplies (one of our local suppliers) to complete a British Fluid Power Association hydraulic hose manufacturing course. Over the two days I learned the process for making a hose, health and safety points and contamination control. By completing this course I am now qualified to manufacture hoses which can be used on all of our equipment.

### **What I have enjoyed, found interesting and found challenging**

I have enjoyed working on these new bits of equipment as it is something new to us in the workshop and I am learning how to work with it at the same time as everyone else. Although it is enjoyable it has also been challenging at some points as we are trying to work out how things work and how to operate them, for example the control system on UTV670 is new to everyone and has been quite a challenge but we have been investigating and made lots of progress towards being able to fully use it.

### **One thing in the beginning that I found difficult but now excel at**

In the beginning I found hydraulic/electrical drawings to be confusing and I would not have been able to read them correctly. Now I find electrical and especially hydraulic drawings a lot easier to work with and am confident in applying the drawing in front of me to the actual circuit, I have recently used this skill to edit various hydraulic drawings for the XLS system after I noticed inconsistencies between the circuit and the original drawing in front of me.

### **How apprenticeship has benefitted the company and any positive impact on local economy and community**

My apprenticeship has benefitted the company as I am now able to complete a lot of tasks independently which helps the speed at which we can get equipment ready. Three new apprentices have also joined Pharos this year so I am able to teach them new skills and help them to understand as much as possible. There was also an article written about me and my apprenticeship in

the Northumberland Gazette which many people in my local community saw and were happy to see opportunities being given to young people.

### **My plans and goals for future**

My goal for this year is to complete all the workplace side of my college work so I can then do my end point assessment and get fully signed off. I would also like to return to the NFPC and complete the stage 2 hydraulics along with the CETOP H2 and possibly some others. Hopefully I will be able to go on at least one offshore trip this year so that I can experience that side of the work and see some of our equipment in action.