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Shipwrights

## **Ben Manning – Cotswold Boat Hire – Apprentice Marine Engineer (funded 2015-16)**

**Cotswold Boat Hire [www.cotswoldboathire.co.uk](http://www.cotswoldboathire.co.uk)**

### Opening paragraph

Since starting working at Cotswold boat hire and GLS marine last July I have had the opportunity to learn lots of new skills and abilities that I never thought that I would have done when I started. The new skills will improve as I get more experience within the marine engineering trade with this I will also be able to learn lots of different skills through the years. One of the items I am looking forward to doing in the next couple of years is learning how to strip and repair the lee Enfield out drives.

### What I have done at work.

Since I have started working at Cotswold Boat hire and GLS marine I have been able to learn a lot of different practical skills that I never thought I would of ever done this has included working on the BMC 1.8 litre engines where over the winter me and Greg (boss) did a half rebuild on three engines ready for the new hire boat season this will also help get rid of some of the problems that we have had from last season with the engines to make sure the engines will last longer and can cope with being hire boat engines. The improvement included getting a crankshaft water pump where it sits on the front pulley and putting a 2<sup>nd</sup> alternator on the engine which will charge the domestic batteries then it gives the other alternator less strain and only has to charge the engine batteries.

I will be explaining a bit more in detail in the wright up section for the following two section locating faults for a carburettor, fitting a 1.8 BMC engine.

Apart from the marine engineering I have helped with improving Buscot at the old water pump station where we have started putting in the electrics in to the individual boats. We have also getting the water pipes ready to go to the boats as well so they have power and water at the boats

### What I have been doing at college

During my time at college I have been learning a lot of new practical skills and theory skills that will help me during my time at work. This can include some of the following skills.

Learning to strip apart an outboard gearbox. Learning how to do a service on an outboard engine. With these two different sections I was able to do a write up for them which will help towards my final grade. What I did and the way that I done the work will be explained below in the wright up section.

The next section will be the theory side of the college course which I have learnt a lot so far which has included doing some exams for them as well they are the following:

Introduction to the marine industry which went over the basics of the marine sections which when it came to the test I passed.

The next test was the marine engineering processes and principles.

The last one is to do with ICT which I had to do a functional skills level 2 for due to not having a recognised qualification in ICT.

### Some pictures of what I have been doing.







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