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## General and Loan Details

October 2011 |

### General

Contained within this folder are details of the diving equipment belonging to the Salisbury Civil Service Sub-Aqua Club (SCSSAC), a branch of the British Sub-Aqua Club (BS-AC) (Branch Number 0890). The following paragraphs describe the clubs policies on equipment servicing, use of the oxygen regulator & analyser and hire of SCUBA.

### Servicing

#### **Cylinders**

**Breathing cylinders:** All pressure vessels are required by law to be serviced at specific periodicities. The breathing cylinders are always charged with air (21%) and therefore do not require an Oxygen clean. Cylinders are serviced to the appropriate standards when their in-test date expires.

**Buoyancy Control Device emergency inflation cylinders:** The Buoyancy Control Device (BCD) emergency inflation cylinder is currently not used during diver training. At present, all of the clubs BCD cylinders are out of test. The cylinders will be exchanged for new items during a BCD service at the discretion of those members present during a club committee meeting determining the clubs requirements at that time.

**Oxygen cylinder:** A club cylinder is nominated for sole use as an emergency Oxygen cylinder for use during club diving and training activities. The cylinder is filled with 100% Oxygen and it is the clubs policy to service the cylinder only when its contents have been depleted or down to level that warrants replenishment. For functional checks, see Oxygen Regulator Servicing paragraph below.

***Note:** Oxygen cylinder recharging should not exceed the working pressure of the oxygen valve regulator.*

#### **Buoyancy Control Device**

A BCD will only be serviced when a problem is encountered during a before use check. If the problem cannot be resolved locally by experienced club members, then the club committee will vote as to the level of service required on the BCD.

#### **Regulators**

Regulator sets that are purchased new will have an 'open water status' of three years from their date of purchase. After the three years of 'open water status' the regulator sets will be retired to 'confined water only' and used during club training activities. If there is a club requirement to have their use returned to 'open water status' then the members present during a club committee meeting will vote for a service. When serviced, the regulator set will remain at an 'open water status' until the next service is recommended by the service provider.



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## **Oxygen Regulator**

**Use:** The oxygen regulator has its own 'instruction for use' manual and should be read by operators before use. A copy of the manual is contained within the 'O2 Kit' or can be made available from the Equipment Officer on request.

**Servicing:** Servicing of the regulator is a three tier arrangement and is fully described within the 'instruction for use' manual. In summary, an 'annual inspection' should be conducted to check for proper functionality of the regulator. The procedure for this functionality check can be found in the 'instruction for use' manual and should be conducted by a club member who is qualified to administer oxygen and normally carried out during the month of March prior to the start of the dive season. Additional to this, further checks will be conducted during the year, mid diving season (July) and at the end of the diving season (November). Once completed, the check should be signed for on the 'equipment sign out sheet' held by the Equipment Officer noting the inspection result. The next level of servicing required is an 'overall maintenance', carried out after five years by the manufacturer. The regulator is an exchange item from the manufacturer and is the level of service the club will deal with, as the third level stipulates a 'maximum life' of 10 years at which point the regulator should be withdrawn from service.

## **Oxygen Analyser**

**Use:** The oxygen analyser has a 'user manual' that is held by the Equipment Officer and is available to view on request by club members. Users of the analyser should familiarise themselves with the 'user manual' operating instructions prior to use.

**Servicing:** The 'user manual' does not dictate any specific servicing requirements. However, there are two issues that users should be aware of whilst using the analyser. Firstly, if the battery is running low, the analyser will display a low battery warning, indicating a battery change. Secondly, as the unit is manually calibrated to a nominal value of 20.9 prior to use, if this value cannot be achieved or the unit cannot be adjusted to within 2 or 3% above this value then the analyser's oxygen sensor should be replaced.

## **Equipment Loan**

**Training:** At present the Ocean Diver course fee covers the use of the clubs equipment through their Ocean Diver training and includes the use of the SCUBA (Cylinder, BCD and Regulators). Other items of club equipment can be provided if deemed suitable during their Ocean Diver training.

**Hire Charges:** For Cylinder, BCD and Regulator sets a charge of £3.00 per item will be made, per one days diving with the equipment to be returned within one week of being signed out. If the hired equipment is not returned to either the Equipment or Training Officer within one week of being signed out, a surcharge of £3.00 per item will be made for each week thereafter. If a cylinder is returned without an air fill being made an additional charge of £6.00 will be incurred (£4.00 for an air fill and £2.00 for Equipment or Training Officer to help accomplish the activity).