

**DIVE LAB LIGHT WEIGHT UMBILICAL
(XLDS)
MONTHLY MAINTENANCE & INSPECTION CHECKLIST**

APPENDIX A2.2

01-12-12

This inspection is the minimum recommended and **should be** performed at least **ONCE A MONTH** with XLDS umbilical(s) in continuous use (used for more than 20 diving days in a month) or at least every **TWO (2) MONTHS** with XLDS umbilical(s) used less than 10 diving days a month. XLDS umbilical(s) being used in contaminated waters, or extreme environments, especially environments with sharp snag hazards such as metal sheet pile, aircraft or ship wreckage, coral and so forth may require a daily inspection.

NOTE: Be safe! Inspecting the umbilical is not difficult and only requires about 30 minutes to accomplish. If any damage is found take pictures and contact Dive lab Inc for guidance.

NOTE: Check the Dive Lab website for the latest product improvement bulletins concerning the XLDS umbilical(s)

The above are recommendations are based on keeping and maintaining a good log book on the XLDS umbilical, the use, maintenance and repair record will help in determining how often routine maintenance and overhauls are required.

Date:
XLDS UMBILICAL Serial #:
Associated Equipment Serial #(s):
Technician (print name):

XLDS UMBILICAL & HARDWARE	
PROCEDURES	INITIALS
1. Inspect entire hose length (Main Gas, Comm Wire, Pneumofathometer) for cuts, abrasions, and any damage that could result in component failure Guidance O & M Manual.	
2. Inspect umbilical and pneumofathometer fittings for obvious wear and damage. Change fittings and components as necessary if any damage is found. Guidance O & M Manual.	

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3. Inspect communication wire end connections (diver/top side), fittings for serviceability. Repair/replace as necessary. Guidance O & M Manual.	
4. Perform communications check. Repair/replace as necessary. Guidance O & M Manual.	
NOTE: It is very important that all D-rings and seizing materials are present. Refer to umbilical diagram for locations of D-Rings and number of seizing points.	
5. Inspect D-Ring connections on the topside and divers ends. Use 550 Cord/Parachute cord to re-seize if necessary. Guidance O & M Manual	
6. Purge Pneumofathometer, ensure adequate flow to attain adequate readings on the Pneumofathometer. If blockage is detected flush hose and retest.	

Technician Signature: _____ Date: _____

Comments: _____

Dive Lab highly recommends that a certified Dive Lab Repair Technician make all repairs and that only genuine Dive Lab repair and replacement parts be used. Owners of Dive Lab products that elect to do their own repairs and inspections should only do so if they possess the knowledge and experience. All inspections, maintenance, and repairs should be completed using the appropriate Dive Lab Operations and Maintenance Manual(s). Persons performing repairs should retain all replacement component receipts for additional proof of maintenance history. Should any questions on procedures, components, or repairs arise, please contact Dive Lab, Inc., by telephone at (850) 235-2715 or via e-mail at divelab@aol.com.