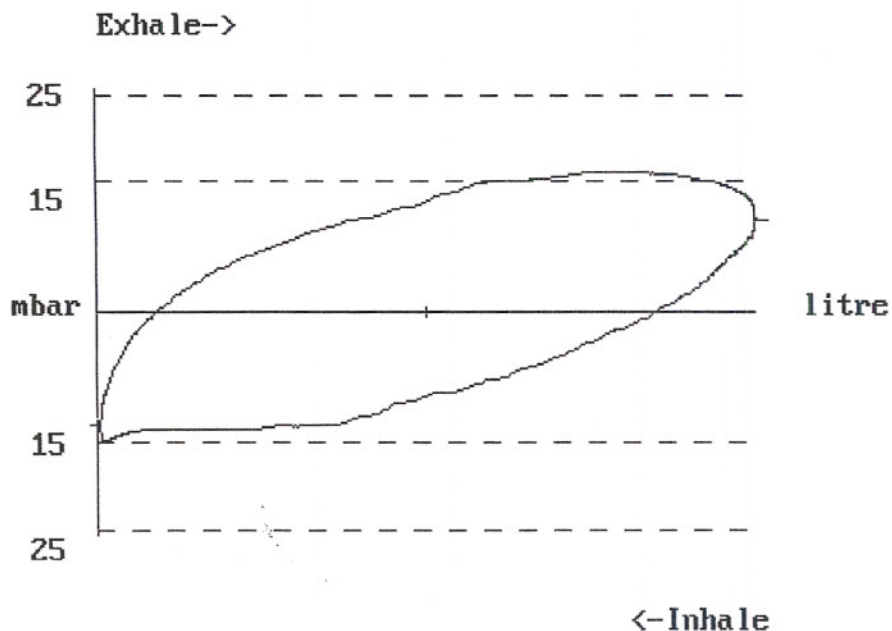

- ANSTI ----- HSL SHEFFIELD ----- ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0435
DATE : 16-01-2006 TIME : 15:02:33

EQUIPMENT
REBREATHER TYPE : megalodon
SERIAL NUMBER : 159
GAS MIXTURE : 21

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.4 C
EXHALE TEMPERATURE : 11.6 C
CYLINDER PRESSURE : 9 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.77 bpm
VENTILATION RATE : 74.3 lpm

RESULTS
PRESSURE @ START INHALE = 10.74 mbar
NEG REF INHALE PRESSURE = -14.82 mbar
INHALE PRESSURE = 25.57 mbar
PRESSURE @ START EXHALE = -13.10 mbar
POS REF EXHALE PRESSURE = 16.11 mbar
EXHALE PRESSURE = 29.22 mbar
PEAK TO PEAK PRESSURE = 30.94 mbar
EXT WORK OF BREATHING = 1.91 J/l
POS REF WORK = 0.06 J/l
NEG REF WORK = 0.04 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 94.5 msw (310 fsw)



REMARKS : test of CIS canister

----- LSTF-9907 -----

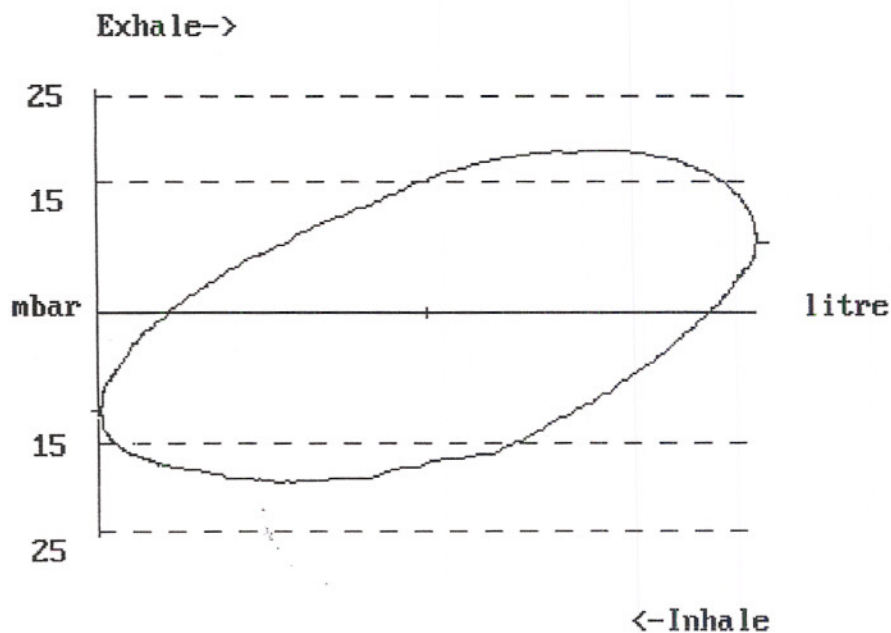
- ANSTI _____ HSL SHEFFIELD _____ ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0428
DATE : 16-01-2006 TIME : 13:21:28

EQUIPMENT
REBREATHER TYPE : megalodon
SERIAL NUMBER : 159
GAS MIXTURE : 21

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.3 C
EXHALE TEMPERATURE : 13.2 C
CYLINDER PRESSURE : 5 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.81 bpm
VENTILATION RATE : 74.4 lpm

RESULTS
PRESSURE @ START INHALE = 8.38 mbar
NEG REF INHALE PRESSURE = -19.76 mbar
INHALE PRESSURE = 28.14 mbar
PRESSURE @ START EXHALE = -11.39 mbar
POS REF EXHALE PRESSURE = 18.69 mbar
EXHALE PRESSURE = 30.08 mbar
PEAK TO PEAK PRESSURE = 38.46 mbar
EXT WORK OF BREATHING = 2.57 J/l
POS REF WORK = 0.02 J/l
NEG REF WORK = 0.04 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 51.7 msw (170 fsw)



REMARKS : Test of CIS canister

LSTF-9907 -