

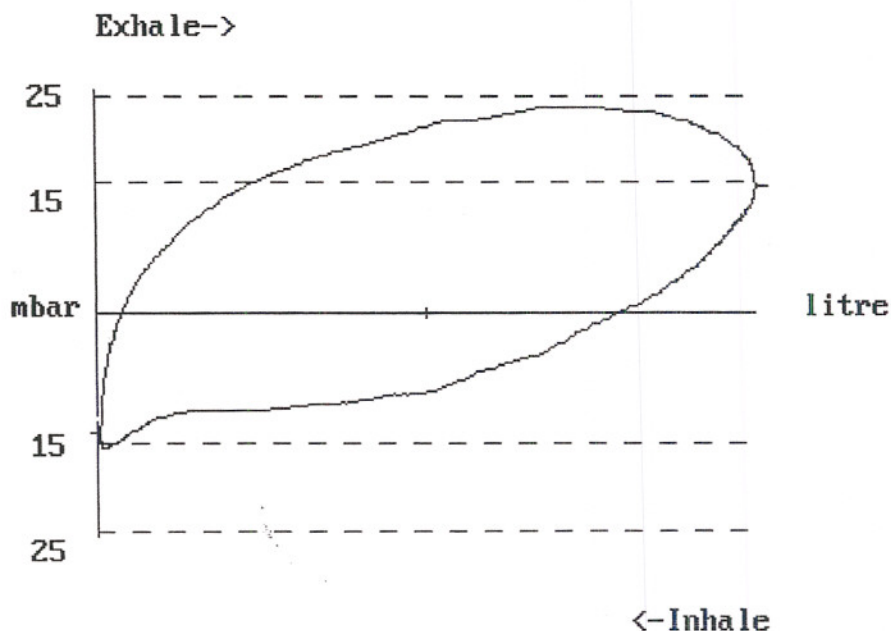
- ANSTI _____ HSL SHEFFIELD _____ ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0443
DATE : 16-01-2006 TIME : 17:11:16

EQUIPMENT
REBREATHER TYPE : Megalodon
SERIAL NUMBER : 159
GAS MIXTURE : air dil 21%

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.3 C
EXHALE TEMPERATURE : 9.3 C
CYLINDER PRESSURE : 5 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.73 bpm
VENTILATION RATE : 74.2 lpm

RESULTS
PRESSURE @ START INHALE = 14.82 mbar
NEG REF INHALE PRESSURE = -15.68 mbar
INHALE PRESSURE = 30.51 mbar
PRESSURE @ START EXHALE = -13.96 mbar
POS REF EXHALE PRESSURE = 23.85 mbar
EXHALE PRESSURE = 37.81 mbar
PEAK TO PEAK PRESSURE = 39.53 mbar
EXT WORK OF BREATHING = 2.50 J/l
POS REF WORK = 0.11 J/l
NEG REF WORK = 0.02 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 50.5 msw (166 fsw)



REMARKS : test of 5.5 Axial canister

LSTF-9907 -

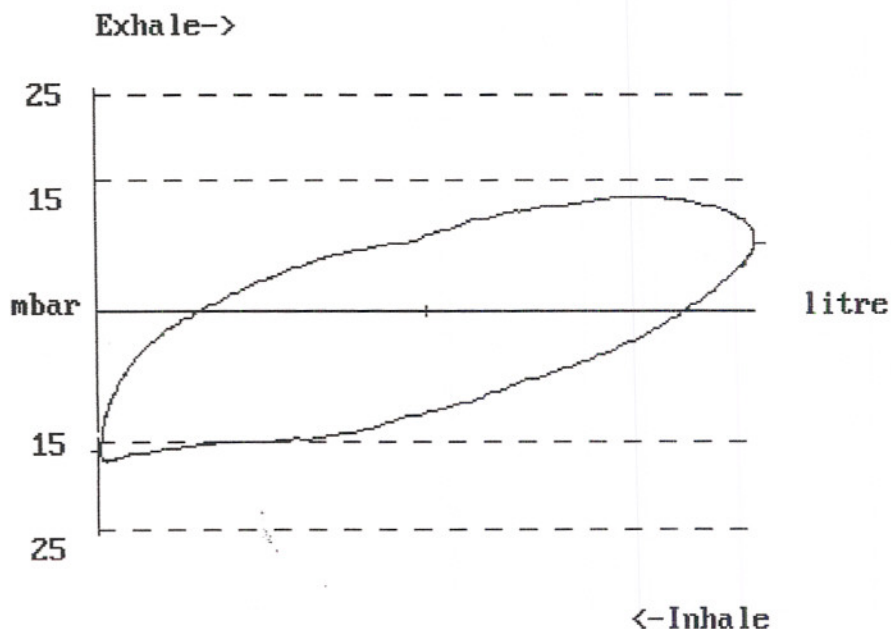
- ANSTI _____ HSL SHEFFIELD _____ ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0436
DATE : 16-01-2006 TIME : 15:47:07

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 : 12.6 C
CYLINDER PRESSURE : 9 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.76 bpm
VENTILATION RATE : 74.3 lpm

RESULTS
PRESSURE @ START INHALE = 8.16 mbar
NEG REF INHALE PRESSURE = -17.40 mbar
INHALE PRESSURE = 25.57 mbar
PRESSURE @ START EXHALE = -16.11 mbar
POS REF EXHALE PRESSURE = 13.10 mbar
EXHALE PRESSURE = 29.22 mbar
PEAK TO PEAK PRESSURE = 30.51 mbar
EXT WORK OF BREATHING = 1.76 J/l
POS REF WORK = 0.03 J/l
NEG REF WORK = 0.07 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 94.6 msw (310 fsw)



REMARKS : Test of 5.5lb axial canister

_____ LSTF-9907 -