

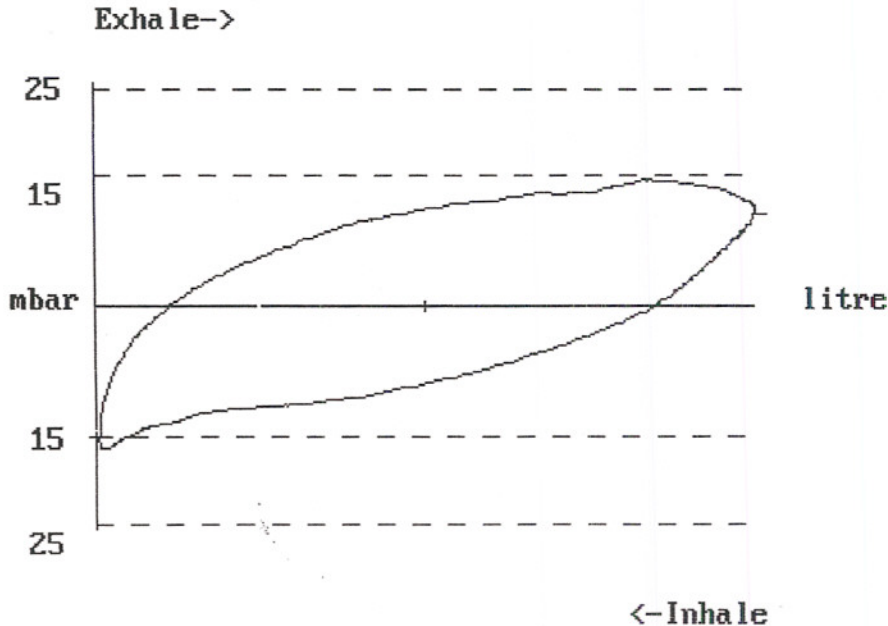
- ANSTI _____ HSL SHEFFIELD _____ ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0457
DATE : 17-01-2006 TIME : 10:47:29

EQUIPMENT
REBREATHER TYPE : Megaladon 7.5 axial
SERIAL NUMBER : 159
GAS MIXTURE : 90 he 10 O2

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.2 C
EXHALE TEMPERATURE : 11.4 C
CYLINDER PRESSURE : 9 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.79 bpm
VENTILATION RATE : 74.4 lpm

RESULTS
PRESSURE @ START INHALE = 10.96 mbar
NEG REF INHALE PRESSURE = -16.54 mbar
INHALE PRESSURE = 27.50 mbar
PRESSURE @ START EXHALE = -15.25 mbar
POS REF EXHALE PRESSURE = 14.61 mbar
EXHALE PRESSURE = 29.86 mbar
PEAK TO PEAK PRESSURE = 31.15 mbar
EXT WORK OF BREATHING = 1.69 J/l
POS REF WORK = 0.07 J/l
NEG REF WORK = 0.05 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 95.7 msw (314 fsw)



REMARKS : Test of 7.5m ^{LB Radial} ~~axial~~ canister

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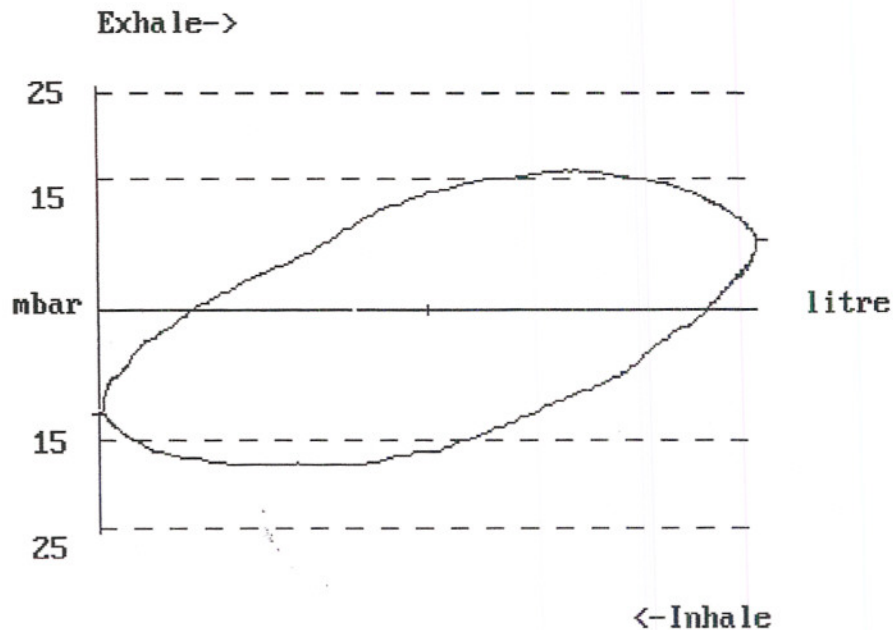
- ANSTI _____ HSL SHEFFIELD _____ ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0450
DATE : 16-01-2006 TIME : 18:47:08

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

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.3 C
EXHALE TEMPERATURE : 11.5 C
CYLINDER PRESSURE : 5 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.79 bpm
VENTILATION RATE : 74.4 lpm

RESULTS
PRESSURE @ START INHALE = 8.38 mbar
NEG REF INHALE PRESSURE = -18.05 mbar
INHALE PRESSURE = 26.42 mbar
PRESSURE @ START EXHALE = -12.03 mbar
POS REF EXHALE PRESSURE = 16.11 mbar
EXHALE PRESSURE = 28.14 mbar
PEAK TO PEAK PRESSURE = 34.16 mbar
EXT WORK OF BREATHING = 2.22 J/l
POS REF WORK = 0.02 J/l
NEG REF WORK = 0.06 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 50.0 msw (164 fsw)



REMARKS : test of 7.5 lb radial

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