

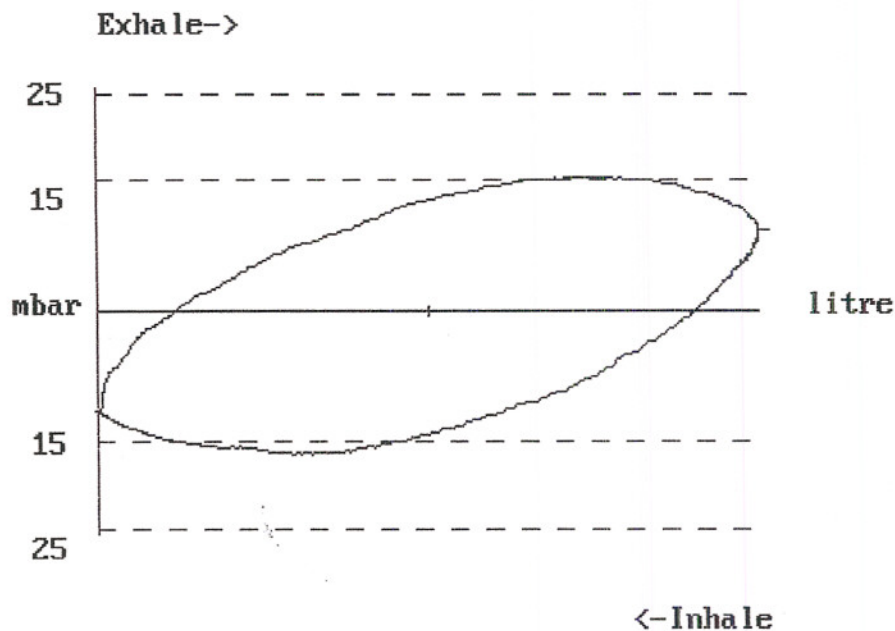
— ANSTI — HSL SHEFFIELD — ANSTI —
CERTIFICATE REFERENCE : HSL-REB 0601 1 0468
DATE : 17-01-2006 TIME : 12:19:52

EQUIPMENT
REBREATHER TYPE : Megaladon prism radial can
SERIAL NUMBER : 159
GAS MIXTURE : He 90 O2 10

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.2 C
EXHALE TEMPERATURE : 8.9 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 = 9.67 mbar
NEG REF INHALE PRESSURE = -16.76 mbar
INHALE PRESSURE = 26.42 mbar
PRESSURE @ START EXHALE = -11.60 mbar
POS REF EXHALE PRESSURE = 15.47 mbar
EXHALE PRESSURE = 27.07 mbar
PEAK TO PEAK PRESSURE = 32.23 mbar
EXT WORK OF BREATHING = 2.09 J/l
POS REF WORK = 0.04 J/l
NEG REF WORK = 0.04 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 49.9 msw (164 fsw)



REMARKS : prism radial

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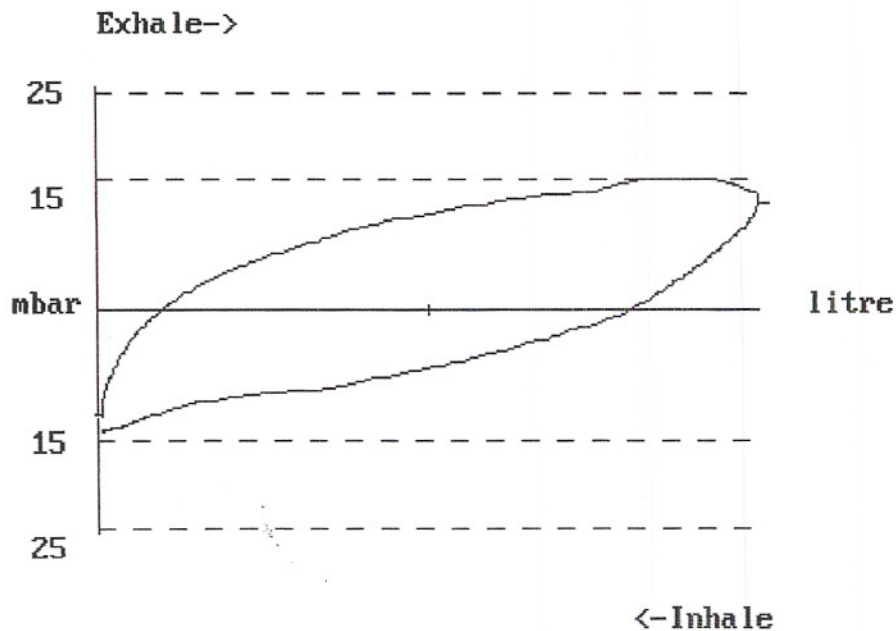
- ANSTI - HSL SHEFFIELD - ANSTI -
CERTIFICATE REFERENCE : HSL-REB 0601 1 0461
DATE : 17-01-2006 TIME : 11:42:23

EQUIPMENT
REBREATHER TYPE : Megaladon prism radial can
SERIAL NUMBER : 159
GAS MIXTURE : He 90 O2 10

CONDITIONS OF TEST
ROOM TEMPERATURE : 20.0 C
WATER TEMPERATURE : 3.3 C
EXHALE TEMPERATURE : 13.5 C
CYLINDER PRESSURE : 9 bar.g
TIDAL VOLUME : 3.00 litre BREATH RATE : 25.29 bpm
VENTILATION RATE : 75.9 lpm

RESULTS
PRESSURE @ START INHALE = 12.68 mbar
NEG REF INHALE PRESSURE = -14.18 mbar
INHALE PRESSURE = 26.85 mbar
PRESSURE @ START EXHALE = -12.03 mbar
POS REF EXHALE PRESSURE = 15.25 mbar
EXHALE PRESSURE = 27.28 mbar
PEAK TO PEAK PRESSURE = 29.43 mbar
EXT WORK OF BREATHING = 1.56 J/l
POS REF WORK = 0.10 J/l
NEG REF WORK = 0.04 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 94.3 msw (309 fsw)



REMARKS : prism radial

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