

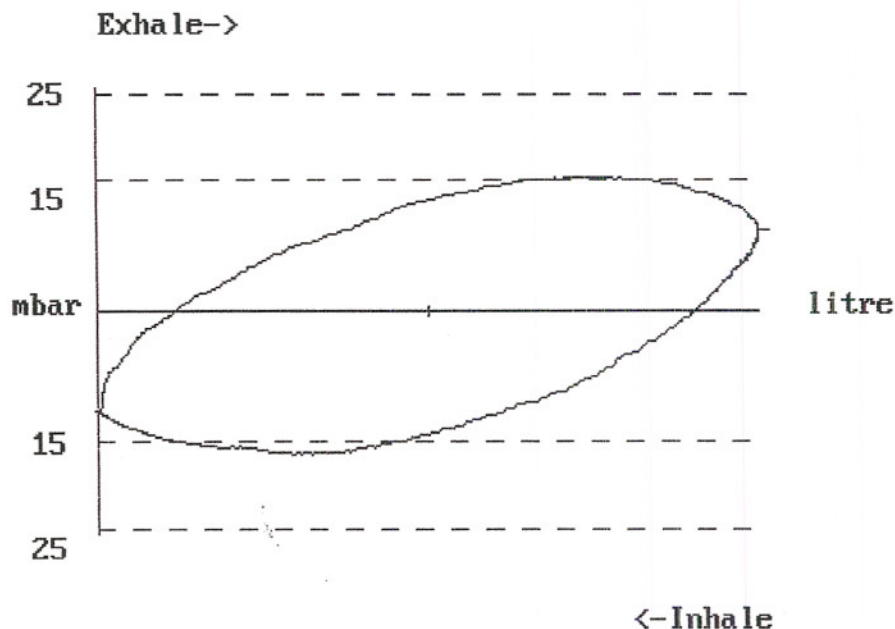
- ANSTI ----- HSL SHEFFIELD ----- ANSTI -  
CERTIFICATE REFERENCE : HSL-REB 0601 1 0468  
DATE : 17-01-2006 TIME : 12:19:52

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

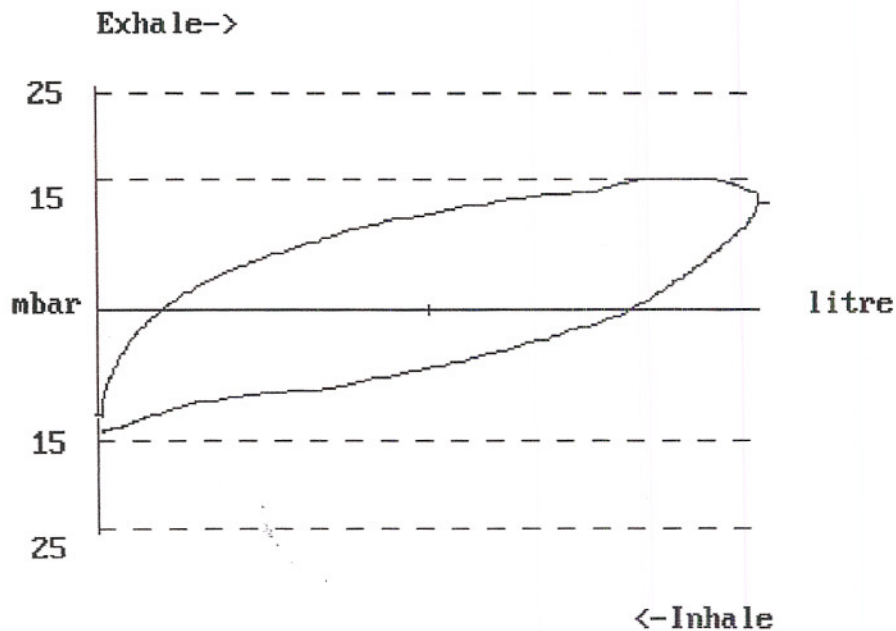
- ANSTI - HSL SHEFFIELD - ANSTI -  
CERTIFICATE REFERENCE : HSL-REB 0601 1 0461  
DATE : 17-01-2006 TIME : 11:42:23

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

LSTF-9907 -