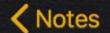


| 1000 K9-91 X13 X10-3 | 0.0176 |
|--|--|
| h=17.982m | = 2.259 = 2.3 m/s |
| | 5 mls |
| AFE B! Efficiency = Power of Jet x100 Power of reservoir | P1 +21+V12 = P2 +72+V22 |
| AFE BY Power of reservoir | W 29 W |
| -AALIAATSAAGII | |
| = 28314 × 100 | P2 = P1 +71+1/2 7 |
| 30607.2 | P2 = P1 + Z1 + Y12 - Z2 - Y22 2g 2g |
| E = 92.5% | in the state of th |
| A CONTRACTOR OF THE PARTY OF TH | Pa - 12 4 (1 12 1) |
| 9) D1 = 300mm = 0.3m | Pa=0.4 + 10-6+0.562-232 |
| D= 150mm = 0.15m | 1000 x 9 x 1 2 x 9 8 1 2 x 9 4 |
| 0 = 406/5 | 2 - |
| | W 4.07xw3+4+(-0.2536) |
| 0=40 | P2 = 4.07x10-5+3.7464 |
| 1000 = 0.04 m3/s | Wax 12 px sq a |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | P2 = 3.746 |
| ZI=LOM | 1.021-0045. |
| 72=6m | Pr= W (3.746) |
| P1=400KN/m2 = 0.4N/m | D (3.7.10) |
| P2=7 | 1/2 = 1000 × 9-81 × 3-746 |
| 1 - 1 - 2 | = 367KNIm2 |
| A1= 7(0.3)2 - 0.071m2 | TOTAL STORY |
| - La Land Sent range | 12075 |
| AZ=T(0.15)2 Z 0.0176m2 | 10) Books - |
| | reading of monometerly) |
| 116 | = 170mm = 0.17mmHg |
| Q=A,V, | 10) Reading of monometerly) = 170mm = 0:17mm Hg |
| WZA, V, | Specific G OC mercina-12.6 |
| V= Q = 0:04 | Specific G of mercung=13.6 Specific G of water=1.020 XCELLENCE. |
| | specific & of mater=1.000 xcare |
| A 0.0+1=0.56m18 | 03) |
| AIVI = Az Vz | 102115012000 |
| V2=AN | Je of treated |
| VILITIO | hz y S.G. of nencury 21 S.G. of Sea water |
| AZ | |
| | |
| | |
| EROAL | |

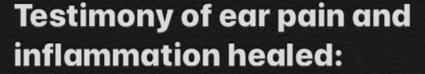
10) Reading ob manometer (y) = 170mm = 0.17mm Hg

Specific gravity of mercury = 13.6

Specific gravity of seawater = 1.026 h= y/5.6 of mercury 5.6 of sea water $= 0.17 \left(\frac{13.6}{1.026} - 1 \right)$ = 0.17(12.255) = 2.083Velocity of Submarine 2 x9.81 x2.083 140.868 6.393m/s







I started having severe ear pain, which radiated to my neck, about 2-3weeks ago, It was also accompanied by serious inflammation of my sub-mandibular lymph nodes, that if I shifted my neck down to the right, even without touching it ,the pain was felt and lymph nodes were painfully enlarged

I decided to stand on the truth of GOD's WORD, I didn't take any medication. But I was praying and proclaiming GOD's WORD in Gal 3:13, how he has set me free from the curses in Deutronomy 28:22. I also prayed and proclaimed, matt8:17, col1:13, col2:15, col 2:19, Ephesians 5:30, I am grateful to joshua, I spoke to him about it and he talked about firmly rebuking the sickness from its roots and i rebuked the sickness, and also kept singing a new song on redemption I learnt مانمهما والمصمورة الانطارات والمصارة











- (4). Water is drawn from a reservoir in which the water level is 2,4000 cm above the datum at the rate of 13 liters/sec. The Outlet of the pipe is at datum level and is fitted a nozzle to produce a high speed jet in order to drive a turbine of pelton wheel type. If the velocity of jet is 66 m/sec. Calculate
 - i. Power of Jet
 - ii. Power Supplied from reservoir
 - iii. Head used to overcome Losses.
 - iv. Efficiency of the pipeline and nozzle in transmitting operation.
- (5). Oil of specific gravity 0.89 is drawn from a reservoir in which the oil is 30,000 cm above the datum at the rate 220 Litres/sec. If the velocity of jet is 7m|sec. Calculate
 - i. Power of Jet
 - ii. Power supplied from reservoir
 - iii. Head used to overcome Losses
 - iv. Efficiency of the pipeline and nozzle in transmitting operation.
- (6) A fountain sends a stream of water 20 m up into the air. If the base of the stream is 10 cm in diameter, what power is required to send the water to this height?
- (7) A Venturimeter with an entrance diameter of 0.3m and a throat diameter of 0.2m is used to measure the volume of gas flowing through a pipe. The discharge coefficient of the meter is 0.96. Assuming the specific weight of the gas to be constant at 19.62 N/m³, calculate the volume flowing when the pressure difference between the entrance and the throat is measured as 0.06m on a water U-tube manometer