

SPT Calibration Report

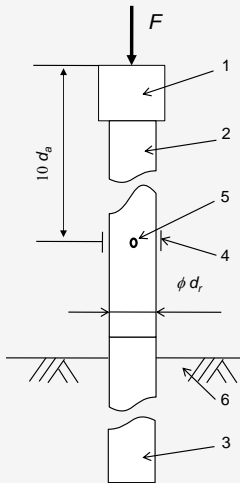
Hammer Energy Measurement Report

Type of Hammer: TERRIER
 Test No: EQU2824
 Client: OAKLANDS

Test Depth (m): 10.10
 Mass of hammer: $m = 63.5\text{kg}$
 Falling height: $h = 0.76\text{m}$
 $E_{\text{theor}} = m \times g \times h = 473\text{J}$

Characteristics of the instrumented rod

Diameter: $d_r = 0.052\text{ m}$
 Length of instrumented rod: 0.558 m
 Area: $A = 11.61\text{ cm}^2$
 Modulus: $E_o = 206843\text{ MPa}$



- Key**
- 1 Anvil
 - 2 Part of instrumented rod
 - 3 Drive Rod
 - 4 Strain Gauge
 - 5 Accelerometer
 - 6 Ground

F Force
 d_r Diameter of rod

Fig. B.1 and B.2
 BS EN ISO 22476-3 : 2005 + A1 : 2011

DATE OF TEST VALID UNTIL HAMMER ID

28/05/2021	28/05/2022	DT/70887
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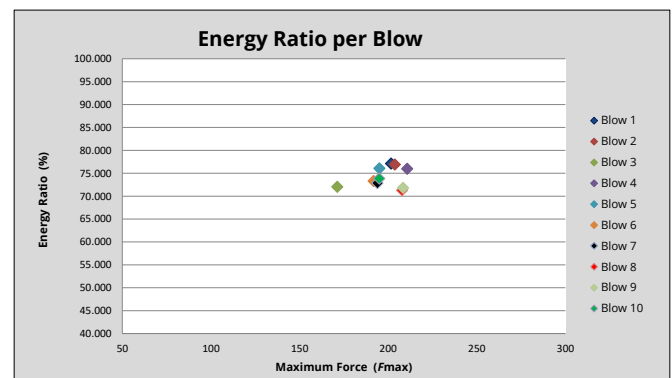
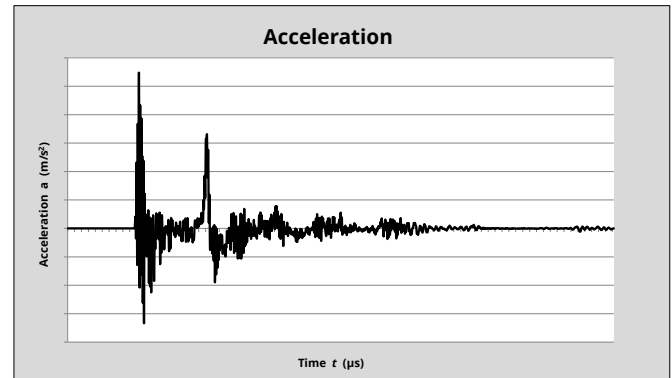
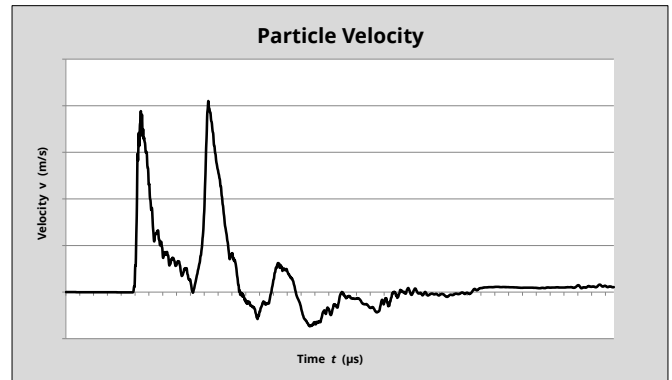
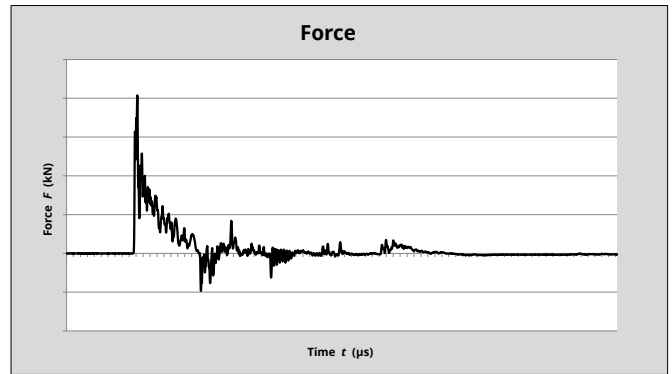
$E_{\text{meas}} = 0.349\text{ kN-m}$

$E_{\text{theor}} = 0.473\text{ kN-m}$

Comments

$$\text{Energy Ratio (Er)} = \frac{E_{\text{meas}}}{E_{\text{theor}}}$$

73.83%
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Equipe SPT Analyzer Operator

AF

Certificate prepared by

Certificate checked by

Certificate date

02/06/2021