

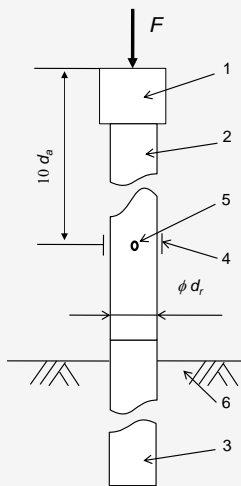
SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer Premier
Test No EQU2022_188
Client Oakland Site Investigation
Test Depth (m) 11.40
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 |
|--------------|-------------|-----------|
| 01/06/2022 | 01/06/2023 | 110-106 |

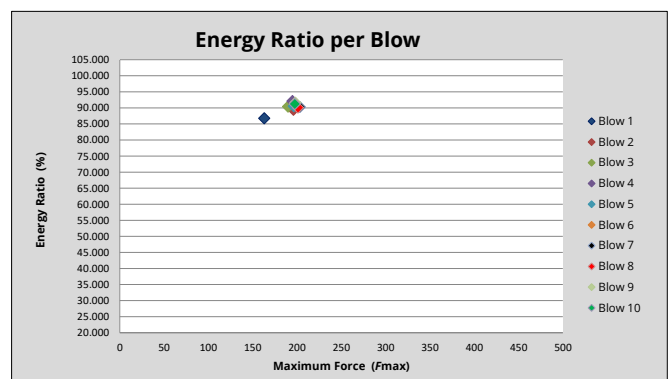
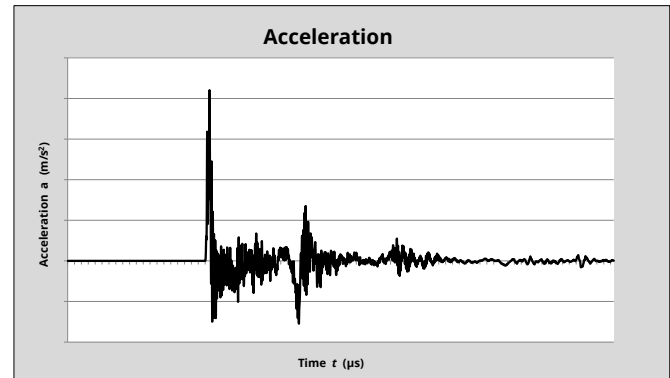
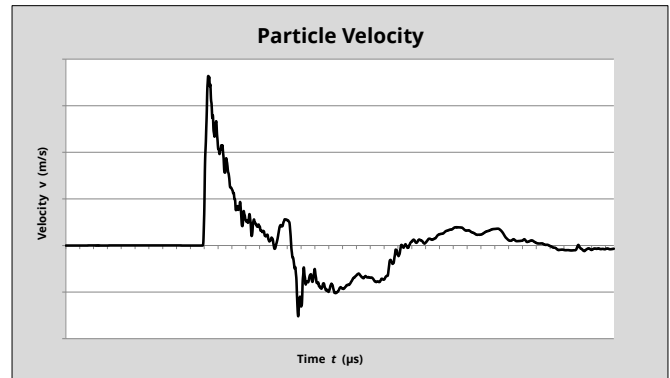
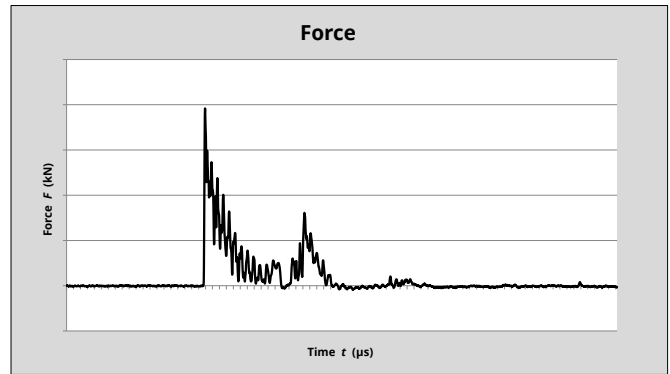
$E_{\text{meas}} = 0.427\text{ kN-m}$

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

Comments

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

90.35%
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Equipe SPT Analyzer Operator

AF

Certificate prepared by

Certificate checked by

Certificate date

13/06/2022