



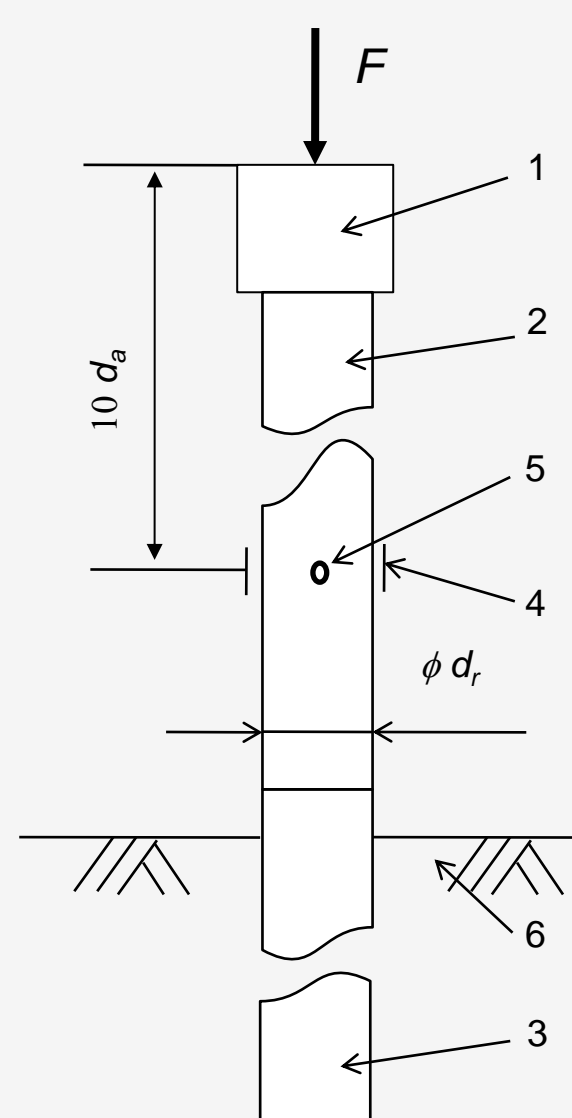
SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer DART MODULAR
Test No EQU2324
Client OAKLAND SITE INVESTIGATION
Test Depth (m) 11.00
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 $E_a = 206843\text{ MPa}$



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**

05/04/2019

04/04/2020

156156

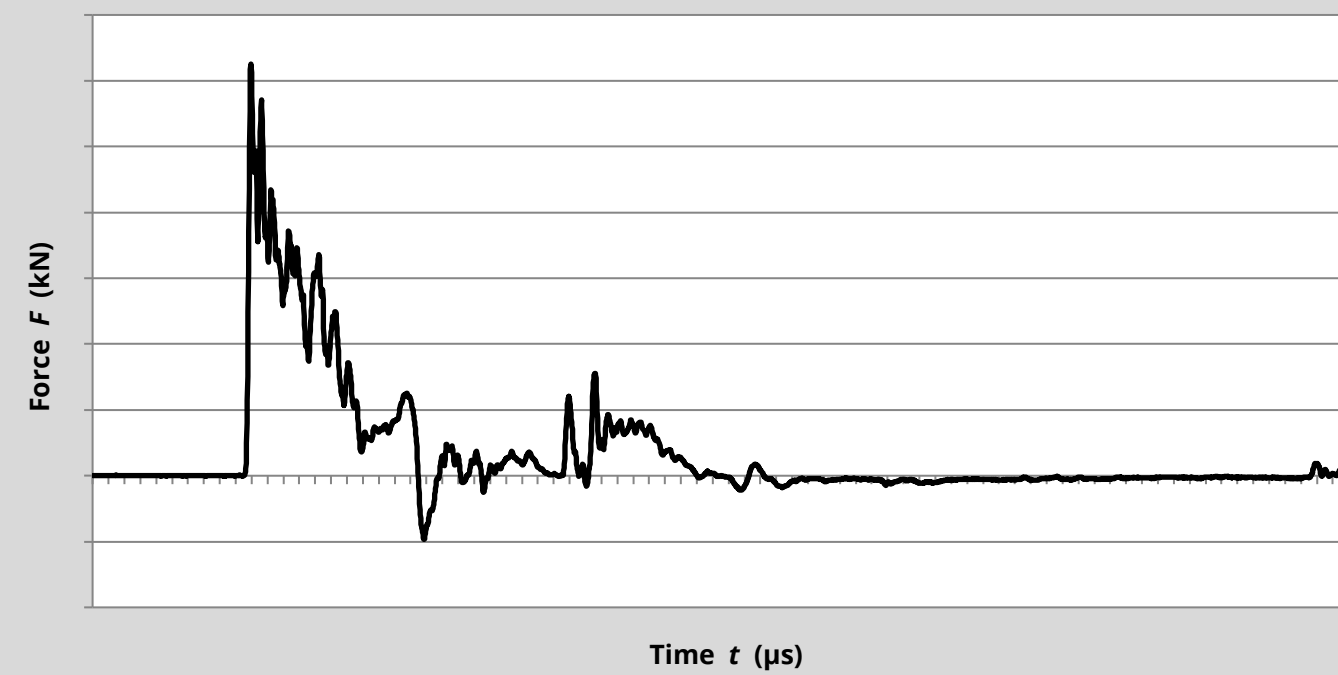
Observations:

1.

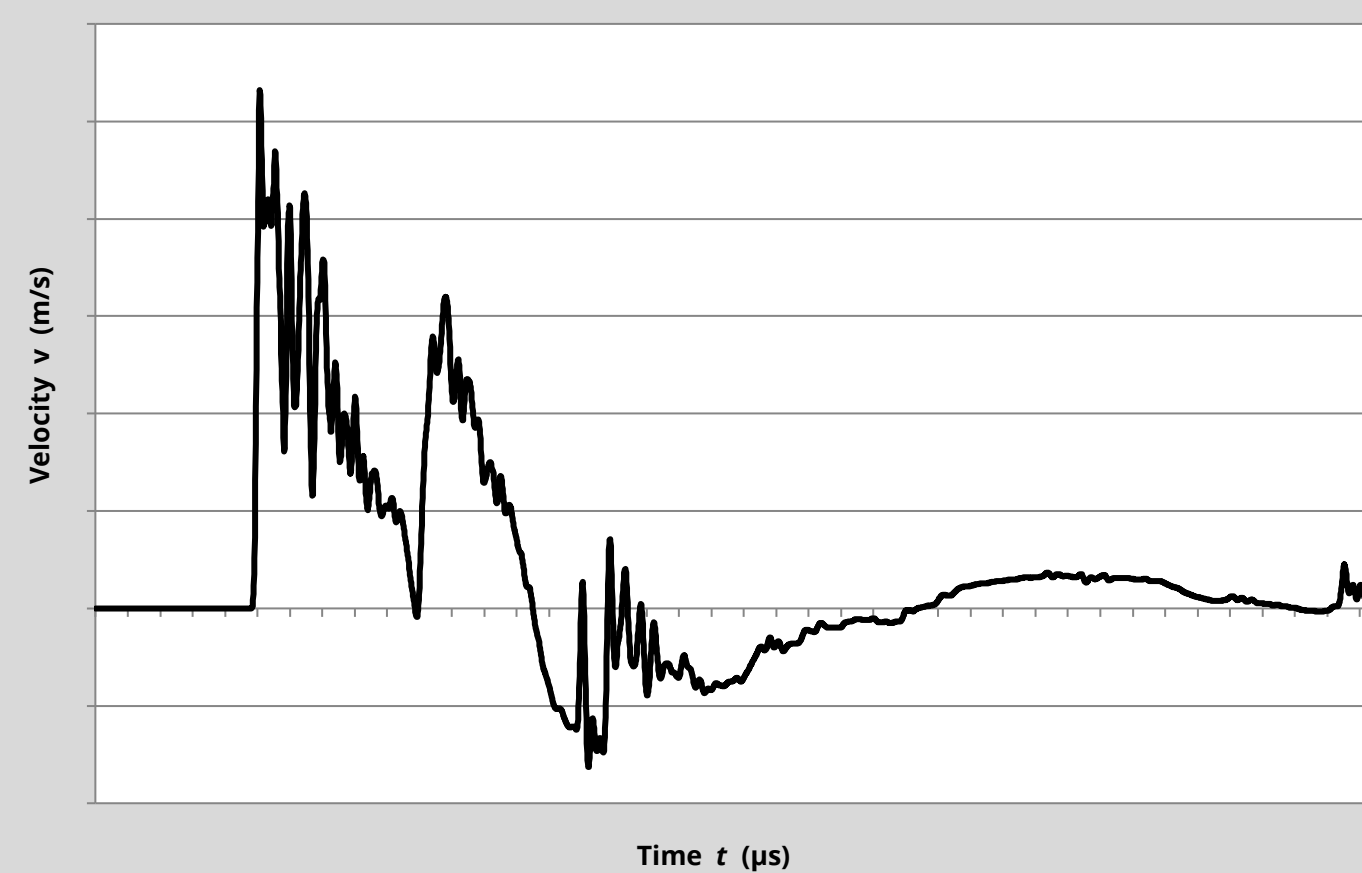
$E_{\text{meas}} = 0.343\text{ kN-m}$

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

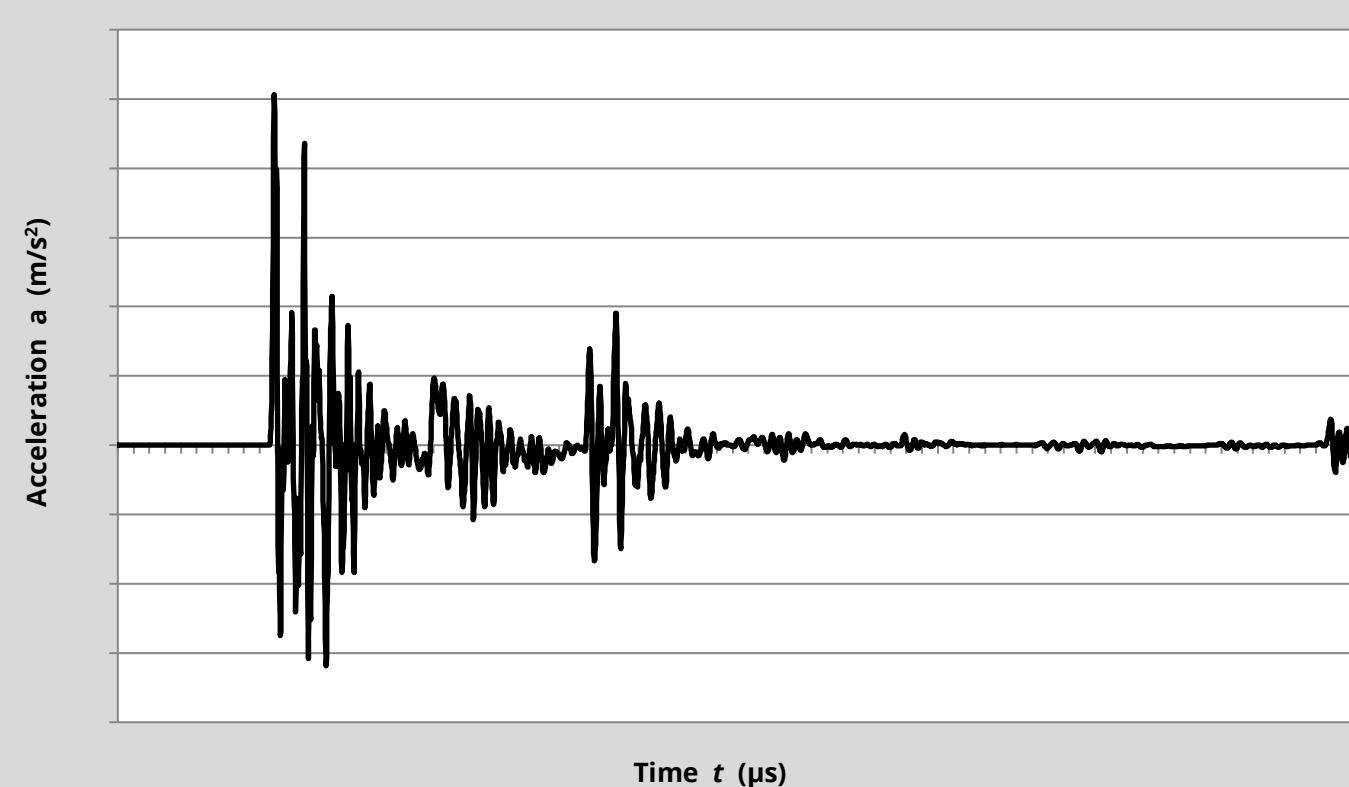
Force



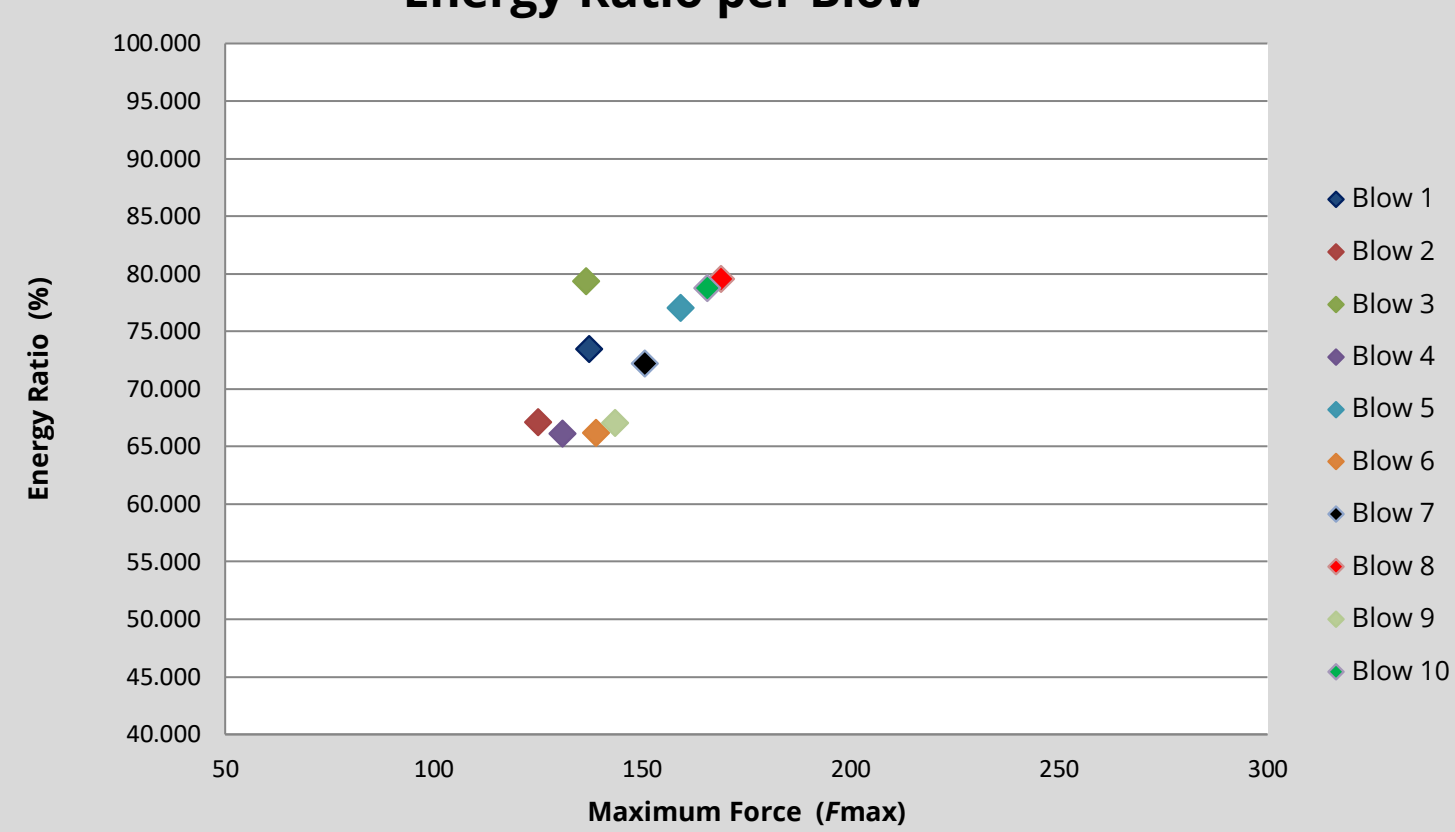
Particle Velocity



Acceleration



Energy Ratio per Blow



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

72.43%
© COPYRIGHT 2019

Equipe SPT Analyzer Operator

AF

Certificate prepared by

[Signature]

Certificate checked by

[Signature]

Certificate date

17/04/2019