

RECORD OF NOISE AND VIBRATION ASSESSMENT

| | |
|---------------------|---------------------------|
| Manufacturer: | SPE |
| Type: | Rotary preparation system |
| Model No. | STR701-1 Electric |
| Operation: | Concrete floor surface |
| Inserted Tool: | TCT disc |
| Running Conditions: | 145 rpm |
| HAV Note: | Operc |

HAND-ARM VIBRATION

Frequency Weighted Energy Equivalent Accelerations ($a_{h,w}$)

| Measurement Position | Acceleration (m/s^2) |
|----------------------|--------------------------|
| | Vector Sum |
| Handle | 1.2 |

NOISE LEVELS

Sound Power Level (L_{WA})

| L_{WA} at Octave Band Centre Frequency (Hz) | | | | | | | | Sound Power Level L_{WA} |
|---|------|------|------|------|------|------|------|-------------------------------|
| 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| 52.6 | 62.3 | 78.6 | 78.1 | 82.3 | 86.7 | 87.8 | 86.2 | 92.7 |

Operator's Ear

| $L_{Aeq,T}$ at Octave Band Centre Frequency (Hz) | | | | | | | | Overall Level ($L_{Aeq,T}$) | L_{Peak} dB(C) |
|--|------|------|------|------|------|------|------|----------------------------------|---------------------|
| 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 34.2 | 40.3 | 62.1 | 66.6 | 69.7 | 71.7 | 75.6 | 73.7 | 79.6 | 100.6 |