

Task Risk Control Sheet

Use of Cobra TT / Hilti TE905 Tamping Hammer

RCS No.: NR/L3/MTC/RCS0216/SP06
Issue: 3

Key Risks !

- Fire / Explosion
- Noise
- Manual Handling
- Vibration
- Eye Injury
- Red Zone Working
- Electrocutation

Personnel Involved

E&P	✓
S&T	
Track	✓
Off Track	✓
Property	✓

Tools / Equipment Cobra TT Tamping Hammer/HILTI TE905Tamping Hammer

Plant None

Key Risks	Controls	Implemented By
Pre Use Checks	<ul style="list-style-type: none"> • Planned preventative maintenance programme shall be in place • Inspect tool prior to use including check of inspection date • Only trained and competent staff shall use Cobra TT Tamping Hammer or Hilti TE905 	Line Manager All Staff
Starting	<ul style="list-style-type: none"> • Push in decompression knob on right side of the cylinder before pulling starter cord • Be aware of whip back of the starter cord if engine does not start 	All Staff
Re-fuelling Cobra – Fire / Explosion	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/GA17 - Decanting Fuel and Fuelling Small Plant • One 2kg Dry Powder fire extinguisher shall be available when fuelling Cobras 	Line Manager / Team Leader / All Staff / COSS
Noise – Cobra TT	<ul style="list-style-type: none"> • Ear protection to EN352 shall be worn when using Cobra machines • The noise level at the operators ear is 101dB • Switch off the plant when not in use 	Team Leader / All Staff
	<ul style="list-style-type: none"> • Hearing protection to EN352 shall be worn by any non-operators within 20m of Cobra TT operations • Refer to SMF/SE/0311 Small Plant HAVS & Noise Data Sheets for further information 	Team Leader
Noise – Hilti TE905	<ul style="list-style-type: none"> • Ear protection to EN352 shall be worn when using a Hilti TE905 • The noise level at the operators ear is 102dB • Hearing protection shall be worn by any non-operators within 20m of Hilti TE905 operations • Switch off the plant when not in use • Refer to SMF/SE/0311 Small Plant HAVS & Noise Data Sheets for further information 	Team Leader / All staff
Noise - SSOW	<ul style="list-style-type: none"> • SSOW to be implemented (ie LOWS, Touch Look out) 	COSS
Manual Handling	<ul style="list-style-type: none"> • Two persons shall be used to carry Cobras/Hilti to site, unless mechanical means is available • Do not carry the machine on the shoulder • Staff shall receive training in manual handling • See Risk Control Sheet NR/L3/MTC/RCS0216/GH01 – Manual Handling 	Team Leader
Electrocutation	<ul style="list-style-type: none"> • See Risk Control sheet NR/L3/MTC/RCS0216/GA20 Working Adjacent to DC Electrified Rails Risk Level 1- 5, 	Team Leader / COSS

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Key Risks	Controls	Implemented By
Eye Injury	<ul style="list-style-type: none"> Eye Protection to BS EN 166 1 B shall be worn 	All staff
Dust/Silicates	<ul style="list-style-type: none"> Dust masks shall be worn 	All Staff
Slips, Trips & Falls	<ul style="list-style-type: none"> Extension leads shall be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone. See Risk Control Sheet NR/L3/MTC/RCS0216/GH02 – Underfoot Conditions 	All Staff
Red Zone Working – Cobra TT	<ul style="list-style-type: none"> If being used in a red zone the Cobra TT shall be connected to a GIFAS safety cut out system <u>or</u> touch lookouts shall be provided If the GIFAS safety cut out system is being used, its function shall be checked before the equipment is connected. This is done as follows <ul style="list-style-type: none"> Check that GIFAS plug is fitted to the machine. Start the machine Pull out the GIFAS plug. The machine shall then stop immediately. If the machine fails to stop when GIFAS plug is removed, it shall on no account be used together with electronic warning equipment. 	Team Leader / COSS Operator
Red Zone Working – Hilti TE905	<ul style="list-style-type: none"> If being used in a red zone the Hilti TE905 shall be connected to a AWD safety cut out system The function of the AWD safety cut out system shall be checked before the equipment is connected. This is done as follows <ul style="list-style-type: none"> Start the machine Operate the AWD safety cut out system. The machine shall then stop immediately. If the machine fails to stop when AWD is operated, it shall on no account be used together with AWD warning equipment. 	Team Leader
Vibration – Cobra TT	<ul style="list-style-type: none"> Rotate staff to reduce exposure or include rest periods as required Gloves may help to prevent vibration injury by keeping hands warm and dry. Anti vibration gloves are not a control factor Let the machine do the work, do not put excessive down pressure on the machine Example amounts of work to meet Exposure Action Value (EAV) & Exposure Limit Value (ELV):- <ul style="list-style-type: none"> EAV : 50minutes Trigger Time ELV : 3hrs 20minutes Trigger Time Refer to SMF/SE0311 Small Plant HAVS Data & Noise Sheets for further information 	Team Leader All Staff
Vibration – Hilti TE905	<ul style="list-style-type: none"> Rotate staff to reduce exposure or include rest periods as required Gloves may help to prevent vibration injury by keeping hands warm and dry. Anti vibration gloves are not a control factor Do not bridge anti vibration handles Example amounts of work to meet Exposure Action Value (EAV) & Exposure Limit Value (ELV) (in an 8hr shift):- <ul style="list-style-type: none"> EAV: 26 minutes trigger time. ELV: 1hr 45 minutes trigger time. Refer to SMF/SE0311 Small Plant HAVS & Noise Data Sheets for further information 	Team Leader Staff