

BDA Audit Cable Percussion Drilling Rig

conducted for
Drillers Inc'

Completed On

19/05/15 12:25 PM

Auditees name

A N Other

Audit number

000023

Client

Drillers Inc'

Conducted on

19/05/15

Inspector making report

Auditor 1

Location

A Street,

London,

England.

(47.876111, 0.04567)

Score

91/122 - 74%

EXAMPLE

Disclaimer

The assessors believe the information contained within this audit report to be correct at the time of printing. The assessors do not accept responsibility for any consequences arising from the use of the information herein. The report is based on matters which were observed or came to the attention of the assessors during the day of the audit and should not be relied upon as an exhaustive record of all possible risks or hazards that may exist or potential improvements that can be made.


Confidentiality Statement

In order to maintain the integrity and credibility of the audit processes and to protect the parties involved, it is understood that the assessors will not divulge to unauthorized persons any information obtained during this audit unless legally obligated to do so.


Table of Contents

BDA Audit Cable Percussion Drilling Rig	1
Disclaimer.....	2
Confidentiality Statement	2
Audit - 91/122 - 74%	4
AUDIT details	4
Health and Safety on site	5
PPE.....	6
Drilling Operation.....	6
Rig Details.....	8
A Frame.....	9
Wire Rope	10
Rig Safety equipment	10
Engine	11
Ancillary equipment.....	11
Certification.....	12
Auditee.....	12
Summary of Audit	12
Conclusion of the Audit.....	13
Media.....	14


Audit - 91/122 - 74%

Question	Response	Details
AUDIT details		
Company name	Drillers Inc'	
Photograph of auditee		
 <p>Appendix 1</p>		
Auditees telephone number		
Auditees BDA Audit number	0000	
Auditees NVQ-CSCS number		
Type of card held	Full Blue skills Lead Driller Cable Percussion	
Auditees first aid qualification		
If towing is required Does the auditee possess the correct license towing	Yes	
This audit was carried out on	01/04/15	
The date of the last audit under this scheme was	01/04/14	
Project Managers name and employer	Geologist 1	
Project Manager contact details	not taken	
Categorisation of site	GREEN	


Score (91/122) - 74%

Health and Safety on site		
Induction has been carried out and all information passed to the auditee	Yes	Again very simple as explained by the RE
RAMS are available and are relevant to the project	Yes	Again very generic and simple from the RE
Rig inspection records have been completed within the last 7 days	Yes	
		
Appendix 2	Appendix 3	Appendix 4 Appendix 5
Give details of the manual handling training of the auditee	None – Driller does have a back problem	
Identify any substances on site which require a COSHH Assessment		
Welfare facilities are available	No	None provided by the client
Failure to meet current standards results in a major nonconformance of this audit		
Are any licenses and or permits required for this drilling activity IE Coal authority, Environmental agency?	N/A	
Is a permit to dig required if yes please photograph the permit	No	
How are you avoiding damage to services	RE uses the CAT Driller digs pits	


Score (91/122) - 74%
A N Other

Is an underground service avoidance and location procedure in place	Yes	The clients rep had all the information to hand
Who has cleared/ located the underground services	RE cleared the services	
Is there a certified CAT and Genny on site	Yes	Date on photo
Date of calibration		
Have hazardous gases been identified as a risk on this site	No	
PPE		
PPE Being worn, Mandatory items include Safety Footwear, Safety Helmet, Gloves, and Eye Protection.	Safety Helmet, Safety Boots, Eye Protection, Overalls, Gloves	
Other PPE available	Safety Wellington, Ear Protection, Gloves	
Is PPE Appropriate to this site	Yes	Yes a small site but good
Drilling Operation		
Drilling instruction are available (written) and are being followed accurately	Yes	Very basic
How does the auditee communicate with their colleagues, does he issue clear instructions.		
Borehole log is being completed is clear accurate and legible	Yes	
 <p>Appendix 6</p>		
Is the auditee describing the strata accurately	Yes description are good	


Score (91/122) - 74%
A N Other

Type of strata being drilled	Gravel, Sand	
Testing observed and being carried out according to current standards during this visit	SPT	
Does the auditee have a clear in depth knowledge of the equipment being used on this site relevant to the drilling operation?	Yes	Lead Driller is hugely experienced and was able to explain in great detail many different methods of use of his equipment
How was measurement of borehole being achieved?		
Samples are being taken labelled, stored in line with current standards and the drilling instructions	No	Samples are not being double labeled individually , discussed with Lead Driller but he points out that the samples are being labelled to the clients instructions
 <p>Appendix 7</p>		
Comments on the type of sampling being carried out and the selection of appropriate equipment	Sampling and testing in accordance with both instructions and standards	
Is the general housekeeping of the working area adequate	Work area is clear of slips and trip hazards, Equipment is store both efficiently ans safely	
Has adequate provision been make for vehicle and public assess to the working area	Yes	But not necessary on this small site
Has consideration of the local environment being considered , IE noise mud, on road, protection of local water courses, dust etc.	N/A	This is not required on this residential site
Are boreholes being completed to the specification	Yes	following the instructions from the RE


Score (91/122) - 74%
A N Other

What are the arrangement for the completion and reinstatement of the work site	Back filled and very well reinstated see photo of the first position next to the red car	
Rig Details		
Type of drilling rig	DANDO 150	
Please photograph the drilling rig		
		
Approximate age of the drilling rig	20	
Colour of the rig	RED	
Rigs unique ID number	A N O 1	
Location of the rigs unique ID	Samson post RHS	
Is the support - towing vehicle suitable for the operation, is it in an acceptable condition	Yes	A well maintained vehicle
Is a Tachograph required for this operation	Yes	This was discussed at length and agreed that the set up was over the 3.5tonne limit
Vehicle has a tacho graph fitted	No	

Score (91/122) - 74%
A N Other

A Frame		
Is the A Frame free from cracks or bends	Yes	
Does the rig have an operational secondary winch fitted	No	
 <p>Appendix 9</p>		
Failure to meet current standards results in a major nonconformance of this audit		
All stay bars and cross members are in place and secured correctly	Yes	Yes all pinned and bolted
Hand/foot Brake operate correctly	Yes	Yes but the brake pedal anti slip is quite worn
Clutch operates correctly	Yes	Seems well adjusted
Is the crown wheel and are the wire rope retaining equipment in good order	Yes	Yes crown wheel has retainer fitted
Base frame is free from cracks and bends	Yes	A very slight bend it the base
Drilling equipment IE casing rods etc. are all in good order		
Please give details of issues	No issue in general all equipment is very well maintained he site is very tidy is well stored	
Rig has a VOSA compliant lighting board or lighting available (including number plate)	Yes	Yes well maintained too


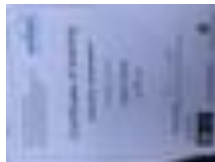
Score (91/122) - 74%
A N Other

Rig over run brakes and handbrake operate correctly	Yes	Yes all looked good but not tested other than the handbrake
Tyres and running gear are in good condition and operate correctly	Yes	Tyres good and high load rated
Rig has additional lighting and or reflectors along the length of the rig available	Yes	Reflective tape fitted in many places
Wire Rope		
Size of rope fitted	16mm	
Wire rope is in good condition free from birds nesting and fraying	Yes	Yes and it is well laid at all times
Is the auditee trained to carry out inspection of the wire rope	No	
How is the ongoing inspection carried out	Driller uses his vast experience to ensure that the rope thimble and eyes are changed regularly	
Are u bolts and thimble correctly fitted and in good order. (4 u bolts must be fitted)	Yes	4 u bolts fitting but thimble end will need replacing soon, Driller is monitoring this hourly which is acceptable
 <p>Appendix 10</p>		
Rig Safety equipment		
The winch guarding conforms to current standards	Yes	Yes not the standard guard but perfectly acceptable
Type of fire extinguisher available	Dry Powder	
Fire extinguisher is appropriate for the site and positioned appropriately	Yes	Very well positioned

Score (91/122) - 74%
A N Other

Fire extinguisher is within inspection guidelines	Yes	
Date of last inspection	19/06/14	
First Aid kit is complete and stored appropriately	Yes	Behind driver seat all keep clean and tidy
Are eye wash facilities available on site	Yes	
What are the access arrangements for working at height	No work at height is allowed	
Is a spill kit available for use and adequate for the site	Yes	
Engine		
Engine mounting bolts are all in place a secure	Yes	Old engine but well maintained
Engine mounting bolts are all in place a secure	Yes	
Engine is free from leaks	Yes	
Does the engine emergency stop work correctly	Yes	None fitted as the rig has no electrics therefore
Is the emergency stop clearly labelled	No	No but discussed and to be fitted ASAP a label will be attached
please give details and photograph the areas of concern		
Engine is fully guarded in line with PUWER regs	Yes	Engine it correctly guarded
How is fuel being transported , store , decanted	being transported and stored in unsuitable containers	
Ancillary equipment		
Is any ancillary equipment being used on this site IE Breaker, compressor, pumps,	No	

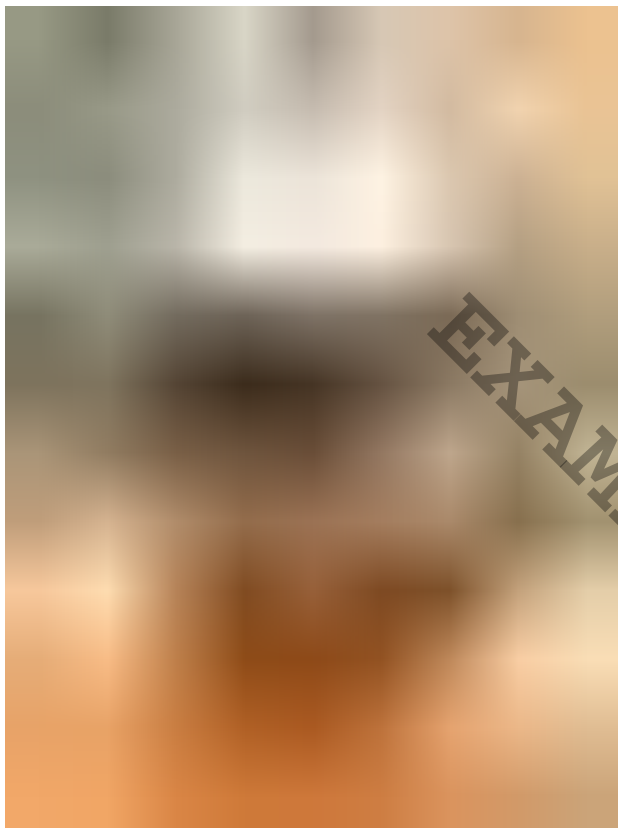
Score (91/122) - 74%
A N Other

Certification		
Rig LOLER Certification is both available and current	Yes	Yes all in date
Enter the LOLER Certificate date of examination	14/10/14 05:11 PM	
Photograph of the certification		
The listed equipment has current LOLER Certification available	Lifting Swivel, Snatch Blocks, Other Lifting accessories	
Please give details of addition lifting equipment	need Certs for snatch blocks swivels, safety hooks	
SPT hammer has a valid energy efficiency certificate	Yes	
Date of calibration of SPT Hammer	11/02/15 10:20 AM	
Photograph of the certificate		
 <p>Appendix 11</p>		
Auditee		
list the auditees relevant formal training (CPD) during the past 12 months	Yes	Yes asbestos awareness
 <p>Appendix 12</p>		
Summary of Audit		
Problems or observations witnessed	Made the Driller aware of the need for ALL the lifting equip to be inspected and some of them ever six months we have discussed tacho,	

Score (91/122) - 74%
A N Other

	see earlier comments and the need for a secondary winch to be fitted for next year's audit		
Comments or requests for auditee	BDA to set drilling rates , a drillers licence would be a good way forward, as would the NVQ level 3 as long as it was about drilling and not all H&S , it should test your ability and this be the most important piece, and written by people whom know best IE experienced drillers not bosses,		
Good practices observed during this audit	Driller is very well organised works in a very tidy manner, he has a good attitude to the job, he performed the testing and sampling very well. Importantly he works safely!		
Conclusion of the Audit			
Outcome of Audit	Fail on one of more Minor Non Conformance		
Auditees required actions to rectify short comings of the audit	Certs on snatch block, fit label on emergency stop, supply evidence to BDA office or auditor of both		
Agreed number of days for closing off of audit short comings	27		
I have read and understand the audit findings	A N Other	19/05/15 12:25 PM	
Competent person carrying out this audit	Auditor 1	19/05/15 12:25 PM	
Where applicable the report of this audit will be passed to the relevant parties including company and clients			

Media



Appendix 1



Appendix 2



Appendix 3



Appendix 4



Appendix 5



Appendix 6



Appendix 7



Appendix 8



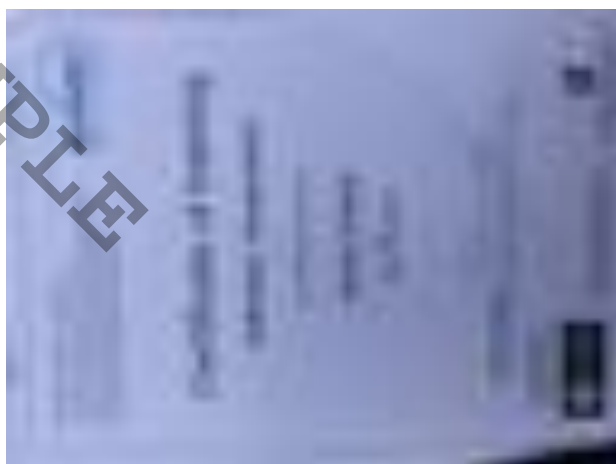
Appendix 9



Appendix 10



Appendix 11



Appendix 12

A N Other