

ULTRASONI	C EXAMIN	NATION REF	PORT			REPORT No.:	UT - 1-355	55 - 02 -	SA
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Client:	Taqa North Ltd	l.				ITS Job No.:	1-3555		
District:	North			LSD: C-032-H / 094-	H-08	Date:	Aug. 2, 2016		
Facility:	Chinchaga Gas	s Plant				Time:	3:30		
Item(s) Examined:	Heater Boiler					W.O. No.:	N/A		
						P.O. No.:	N/A		
Acceptance Criteria:	For Client to Rev	view		Rev. / Date: N/A		Cost Code:	N/A		
Procedure No.:	ITS-UT01			Rev. / Date: Rev. 3/ A	Aug. 2014	AFE:	N/A		
Technique No.:	N/A			Rev. / Date: N/A		Other:	N/A		
Equipment Data:									
PRN: (A)	0570539	Serial No.:	H106274	Equip. No.:	603FB001	CRN:	K6	154.12	
Material:	Carbo	n Steel	Thickness	N/S		Other:	N/A		
Surface Condition:									
■ Base Metal □	Machined	Shot Blasted	Wire Wheeled	As Ground A	s Welded	Painted  Co	ated Other:		
☐ < 0°C (32°F)		0°C (32°F) to 54°C	C (130°F)	☐ 55°C (131°F)	to 100°C (212°F	7)	□ > 100°C (	212°F)	
Ultrasonic Equipment									
Instrument:	Epoch	Model	: LTC	Serial No.:	1001006	602 Ca	I. Due Date:	15-Feb-	17
Cal. Block:	Metric	Stepwedge 2.5mm	to 12.5mm	Serial No.:	11-120	03 Co	uplant:	UTX	
Cal. Block:		N/A		Serial No.:	N/A				
Transducer Cable(s)	; Type:	Lemo	to microdot	Length:	1m				
Transducer:									
I: Serial No : :	ngle Frequer			Primary Reference	Scanning Ser	sitivity Tr	ansfer Value	Rang	
(X	(°): (MHz)		Single Dual	(db) (%FSH):	(db):		(db):	(mm	
025LN5	0 5	6.35		.5mm- 50dB(80%FSH)	+6dB		N/A	0 - 7	5
Examination Details:									
SCOPE:				ting Boiler (603FB001)			or thinning. Co	il has total	39
	wraps and eac	h wrap was scanne	d clockwise from E	ast to West at 12-3-6 &	9 o'clock positio	n.			
	Limitations: N	lo access to scan 30	60°, only 120° to 25	50° of each coil wrap wa	s accessible for	scanning.			
	Coil Specs: 3'	'x STD, Nominal - 5	49mm Minimum -	4 8mm					
		,							
DECLUTO:	No simos of sim	-:6:+:	:						
RESULTS:	No signs of sig	nificant internal con	rosion or degradation	on noted in scanned are	as.				
CONCLUSION:	Results will be	reviewed and turn of	over to client for fur	ther analysis.					
Client Representative	e:			Sign:			Date:		
Technician(s):									
Sign:	A								
Sign:	Cultaru	Africar		Noble Ass	rov		rt Review:	5	
Print:	Sultan A			Noble Agg	-	Kepol	r Keview.	Initial	
Lev	CGSB	ITS-WP01 ACCP/	ASNT			P/ASNT			
Certification N			Certif	ication No.:					
Scope of Services									

The agreement of highly Testing Services hic. to perform services extends only to those services provided for in writing. Under no circumstances shall such services extend beyond the performance of the requested inspection of specific equipment provided for in writing and the preparation of reports or similar documents reflecting the inspection data obtained or the period of th

noticated of Care
performing the services provided, Integrity Testing Services Inc. uses the degree, care and skill ordinarily exercised under similar circumstances by others performing such services in the same or similar locality. No other warranty, expressed or implied, is made or intended by f



## **CONTINUATION EXAMINATION REPORT**

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Date: Aug. 2, 2016

Client: Taqa North Ltd.

Item(s) Examined: Heater Boiler

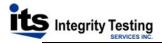
MODEL NO.
SERIAL NO.
DATE MFG.
Heister. Inc. \$200 Wilson Road Chattanooga, Terrolessee 27410 U.S.A. HEATEC \$600 The Control of the Control of



## NAME PLATE







## **CONTINUATION EXAMINATION REPORT**

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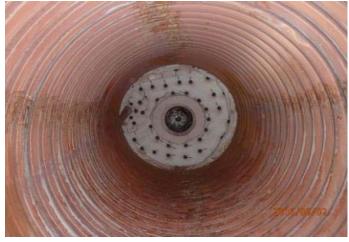
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Item(s) Examined: Heater Boiler Date: Aug. 2, 2016

## 603FB001- 3" Dia. Tube UT Results (mm)

Direction East to West	12 o'clock	3 o'clock	6 o'clock	9 o'clock
01	5.8	5.8	5.8	5.8
02	5.8	5.8	5.7	5.7
03	5.7	5.8	5.8	5.7
04	5.8	5.9	6.0	5.8
05	5.8	5.9	6.1	5.7
06	5.8	5.8	5.9	5.8
07	5.9	5.8	5.7	5.9
08	5.7	5.8	6.0	6.0
09	5.8	5.9	5.8	5.7
10	5.8	5.9	5.6	5.4
11	5.7	5.6	5.6	5.7
12	5.8	5.5	5.8	5.8
13	5.8	5.7	5.9	5.8
14	5.7	5.8	5.7	5.9
15	5.5	5.8	5.9	5.5
16	5.8	5.8	5.7	6.0
17	5.6	5.7	5.7	5.5
18	5.9	5.6	5.7	5.7
19	5.6	5.9	5.6	5.9
20	6.1	5.8	5.9	5.8
21	5.9	5.9	5.6	5.9
22	5.8	5.9	5.9	5.9
23	5.7	5.8	5.8	5.9
24	5.9	5.8	5.7	5.8
25	5.8	5.7	5.7	5.8
26	5.9	5.9	5.9	5.9
27	5.9	5.9	5.9	5.9
28	5.9	5.9	5.9	6.0
29	5.8	6.0	5.8	5.7
30	5.9	5.8	5.9	5.7
31	5.8	5.9	5.9	6.0
32	5.8	5.7	6.0	5.9
33	5.7	5.8	5.6	5.9
34	5.7	5.8	5.8	5.7
35	5.9	5.7	5.6	5.7
36	5.8	5.7	5.7	5.9
37	5.6	5.8	5.7	5.7
38	5.6	5.7	5.8	5.6
39	5.7	5.7	5.8	5.7





**East Side Coil Overview** 

West Side Coil Overview