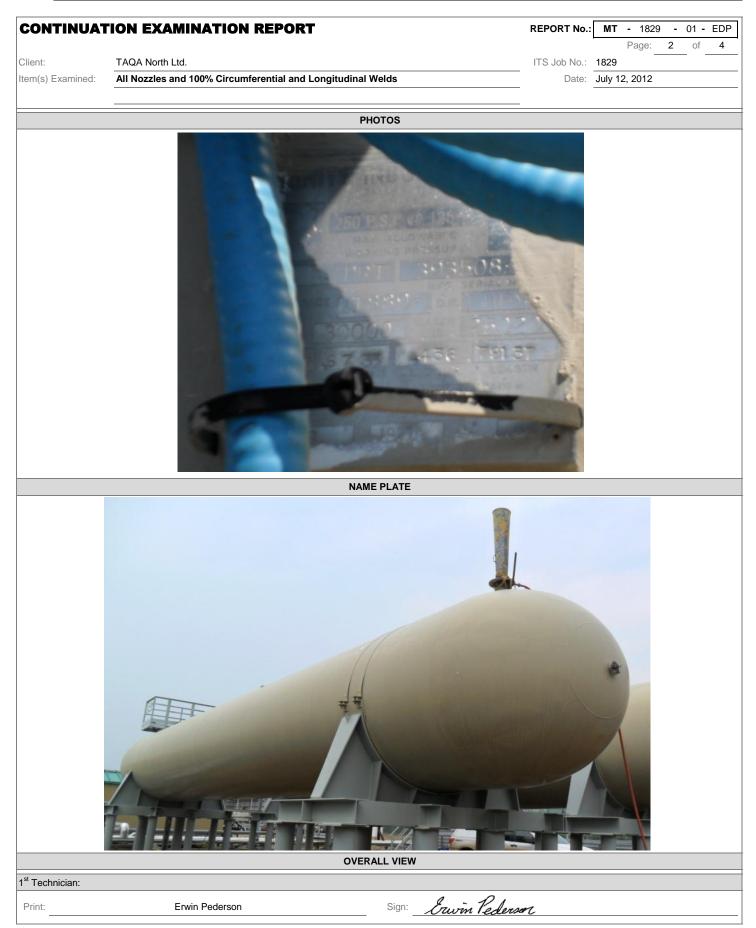


MAGNETIC P	PARTICLE EXAMINATI	ON REPOR	Г		REPORT No.:		
						Page	1 of 4
Client:	TAQA North Ltd.		100.000		ITS Job No.:		
District:	Northern		LSD: C-32-	H / 94-H-08		July 12, 2012	
Facility:	Chinchaga Gas Plant					14:30	
Item(s) Examined:	All Nozzles and 100% Circumferer	ntial and Longitud	inal Welds		W.O. No.: P.O. No.:		
Acceptance Criteria:	ASME Sec VIII		Rev. / Date:	2010	Cost Code:		
Procedure No.:	ITS-MT04		Rev. / Date:	Rev. 1 / Oct-11		11200624	
Technique No.:	Tech 03		- Rev. / Date:	Rev. 1 / Oct-11	Other:	N/A	
Equipment Data:	· · · · · · · · · · · · · · · · · · ·		-				
PRN: (A)	601541 Serial No.:	393508	Equip. N	No.: 603VP005	CRN:		(0576.1
Material:	Carbon Steel	Thickness:		.6733" / Head - 0.436"	Other:	N//	4
Surface Condition:							
Base Metal	Machined Shot Blasted	Wire Wheeled	As Grour	nd 🗌 As Welded 🔲	Painted 🗌 Coa	ated 🗌 Other:	N/A
□ < -20°C (-5°F)		C (130°F)	□ 55°C	(131°F) to 315°C (600°F	)	□ > 315°C	(600°F)
Equipment:							
	Equipment	Serial No.	Cal. Due Dat	te MT T	echnique and Exa	amination Med	ium:
Hand Yoke:	Contour	17414	18-Nov-12	AC 🗌	DC	Continuous	Residual
Perm. Magnet:				Wet 🔲	Dry 🔳	Fluorescent	Visible
Coil:				Manufacturer:	Magna	Flux	Batch No .:
Blacklight:	Spectroline	1795689	Mar.20 2013	3 Cleaner:			
Light Meter:	Spectroline	1822513	3-Jul-13	Color Contrast:			
Visible Light:		>	Footcandles	Particles:	MagnaGlo	o 14AM	07K07K
Fluorescent Examinatio	on Blacklight Intensity Check; Pre: 5780	µW/cm <sup>2</sup> Post:	4890 µW/c	m² Other:			
Examination Details:							
SCOPE:	A wet fluorescent Magnetic Particle Ex	amination was perfo	ormed on all no:	zzles and 100% circumfere	ntial and longitudi	nal welds.	
RESULTS:	<ul> <li>On the C2 weld (north side of vessel) at the 8 O'clock position, an indication was found in the start/stop of a weld. The indication was buffed out and re-examined. No relevant indication was found.</li> <li>Weld splatter was removed from N1, N2, N3 and N4 prior to do WFMPI - N1 was found to have 2 indications just below it on the head. These indications were removed by lightly buffing and re-examined. No relevant indications were found.</li> <li>1 indication was found 24 inches west of C2 at the C2/T2 tee weld in the start/stop of a weld. The indication was buffed out and re-examined. No relevant indication was found.</li> <li>1 indication was found 23 inches east of C2 at the C2/T3 tee weld in the start/stop of a weld. The indication was buffed out and re-examined. No relevant indication was found.</li> <li>1 indication was found.</li> <li>1 indication was found.</li> <li>1 indication was found.</li> <li>1 indication was found 12 inches up from T4 tee weld in the shell in can 3. The indication was buffed out and re-examined. No relevant indication was found.</li> <li>1 indication was found 26 inches west of C5 at the C5/T8 tee weld in the start/stop of a weld. The indication was buffed out and re-examined. No relevant indication was found.</li> <li>1 indication was found 12 inches up from T9 tee weld in the start/stop of a weld. The indication was buffed out and re-examined. No relevant indication was found.</li> <li>1 indication was found.</li> <li>1 indication was found.</li> <li>1 indication was found.</li> <li>2 indication was found.</li> <li>3 indication was found.</li> <li>1 indication was found.</li> <li>2 indication was found.</li> <li>3 indication was found.</li> <li>3 indication was found.</li> <li>4 indication was found.</li> <li>3 indication was found.</li> <li>4 indication was found.</li> <li>3 indication was found.</li> <li>4 indication was found.</li> <li></li></ul>						
CONCLUSION:	Based on the results of this examination mentioned standard <u>except</u> the West				nt indications and	Date:	to the above
Technician(s):							
Sign:	8 - 21			11 14			
Print:	Erwin Pederson			Andrew Soto	Reno	rt Review: 🔾	
Le Certification 1	1 <sup>et</sup> Technician CGSB SNT ACCP/A rvel: 2	SNT Certifi	2 <sup>nd</sup> 7	Technician / Assistant	P/ASNT		inital
Scope of Services The agreement of Integrity Testing Services Inc. to per It is expressly understood that all descriptions, comme	form services extends only to those services provided for in writing. Under no circumstances ants and expressions of opinion reflect the opinion or observations of the examiner and are no	shall such services extend beyond the perform t intended nor can they be construed as represe	ance of the requested inspection of entations or warranties as to the act	specific equipment provided for in writing and the preparation o ual circumstances. ITS is not assuming any responsibilities of t	f reports or similar documents reflecting the owner/operator, and the owner/operator	he inspection data obtained or the o or retains complete responsibility for	pinion formulated on the basis of such inspection. the engineering, repair and use decisions as a

Standard Clare In bestricts provided, Integrity Testing Services Inc. uses the degree, care and skill ordinally exercised under similar discusstances by others partorning such services in the same or similar locality. No other warrany, expressed or implied, is made or intended by ITS.







CONTINUATION EXAMINATION REPORT		REPORT No.:	МТ	- 1829	-	01 -	EDP
				Page:	3	of	4
Client:	TAQA North Ltd.	ITS Job No.:	1829				
Item(s) Examined:	All Nozzles and 100% Circumferential and Longitudinal Welds	Date:	July 12, 2012				



N1 - 2 Indications Just Below the Nozzle Weld



Sign: Erwin Pederson

1<sup>st</sup> Technician:

Print:

Erwin Pederson



CONTINUATION EXAMINATION REPORT REPORT No.:		МТ	- 1829	-	01 -	EDP	
				Page:	4	of	4
Client:	TAQA North Ltd.	ITS Job No.:	1829	_			
Item(s) Examined:	All Nozzles and 100% Circumferential and Longitudinal Welds	Date:	July 12, 2012				



West Head Crack In - Between WHT3 and WHT4

