



612550

TREATER

2023-05-26

Report #

20230227

NORTHERN - AB

KAKUT PLANT

14-12-075-03W6

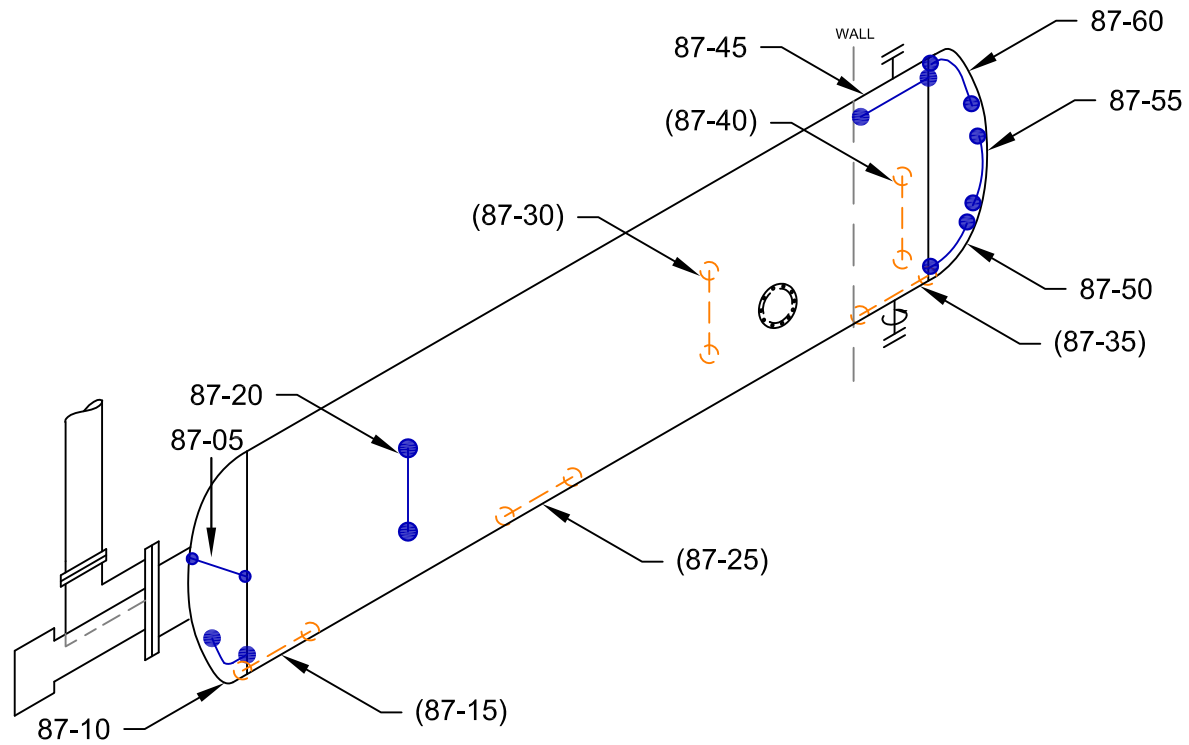
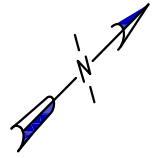
Cal. Procedure - UT001.001 Calibration Date- 01/12/2023

Technician

GLENN ALLEN

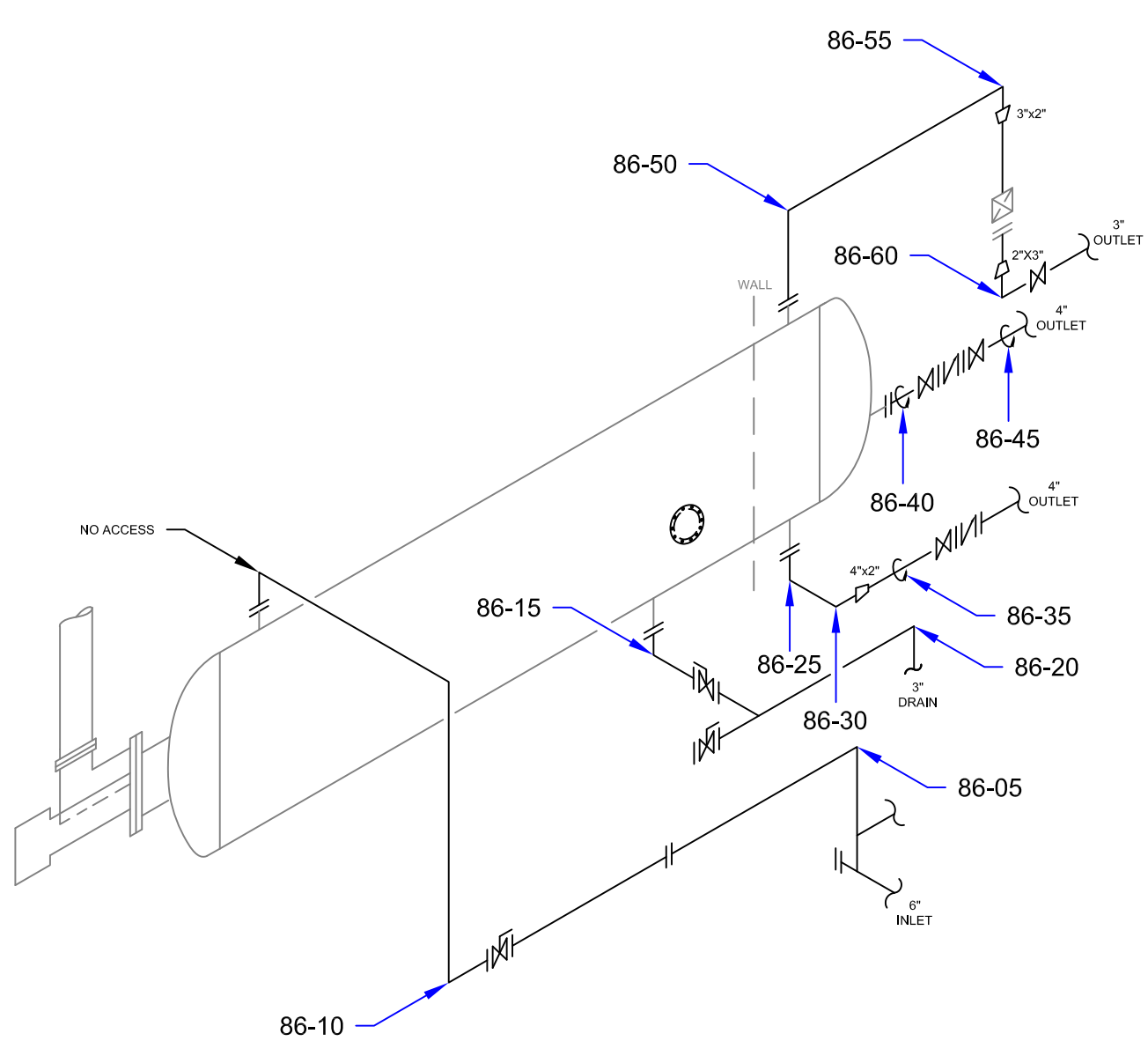
CGSB UT2 - 9738





DESCRIPTION

612550 TREATER DWG 87



DESCRIPTION

612550 TREATER PIPING DWG 86



Vessel Number: **612550V**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0630
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-23-UT08

Dwg: 87

PSV (TS) Calibration Date:

OK

OK

Vessel Number: **612550V**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0630
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-23-UT08

PSV (TS) Calibration Date:

OK

OK



Vessel Number: **612550V**

Location: KAKUT PLANT

Skid: PKG59750

Project #: LRE-KAKUT-23-UT08

Dwg: 87

PSV (TS) Calibration Date:

OK

OK



Vessel Number: **612550V**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0630
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-23-UT08

Dwg: 87

PSV (TS) Calibration Date:

OK

OK



Vessel Number: **612550V**

Location: KAKUT PLANT

Skid: PKG59750

Project #: LRE-KAKUT-23-UT08

Dwg: 87

PSV (TS) Calibration Date:

OK

OK



Vessel Number: **612550V**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0630
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-23-UT08

Dwg: 87

PSV (SS) Calibration Date:

PSV (TS) Calibration Date:

OK

OK



ASSET TRACKER

LONG RUN EXPLORATION

Vessel Number: **612550V**

District Unit: NORTHERN - AB

Vessel Name: TREATER

Year Built: 2011

Tag Number: -

CRN: V4281.2

Location: KAKUT PLANT

Manufacturer: CORLAC

Serial Number: 022506-1

Shell MAWP PSI: 75

Tube MAWP PSI: 0

Vessel CA: 0.0630

Skid: PKG59750

Inspector: MIKE GLADWIN

LSD: **14-12-075-03W6**

Survey Date: 26/05/2023

Process: SOUR

Project #: LRE-KAKUT-23-UT08

Dwg: 87

PSV (SS) Number:

PSV (SS) Set Pressure:

PSV (SS) Calibration Date:

PSV (TS) Number:

PSV (TS) Set Pressure:

PSV (TS) Calibration Date:

CML	Description		Baseline	Previous	Current	Year	Avg	Min				
87-65		Nozzle	0.543	0.543	0.543	2017	0.540	0.525	Nominal	0.5310	Recommended Next Inspection	2024
Shape	Cylindrical	shell Side	0.534	0.534	0.532	2017	0.540	0.525	CA	0.0630		
OD	4.5		0.525	0.525	0.518	2023	0.526	0.518	TMIN	0.0076	Recommended Retirement	2043
Spec.	VIII Div 1		0.539	0.539	0.522	ST Loss MPY		0.001	Comments-->			
Material	SA 106 - B		0.545	0.545	0.521	LT Loss MPY		0.001				
			0.556	0.556	0.522							

OK

Vessel Number: **612550P**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0000
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-2023-UT

PSV (TS) Calibration Date:

OK

Caution

Vessel Number: **612550P**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0000
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-2023-UT

PSV (TS) Calibration Date:

CML	Description		Baseline	Previous	Current	Year	Avg	Min				
86-20		Piping	0.219	0.219	0.219	2014	0.220	0.221	Nominal	0.2160	Recommended Next Inspection	2024
Shape	90° Elbow	shell Side	0.218	0.218	0.218	2017	0.220	0.218	CA	0.0270		
OD	3.5		0.218	0.218	0.218	2023	0.220	0.218	TMIN	0.0066	Recommended Retirement	2043
Spec.	B31.3		0.218	0.218	0.218	ST Loss MPY		0.000	Comments-->			
Material	A 234 - WPB		0.225	0.225	0.225	LT Loss MPY		0.000	PREVIOUS BAND 45-60 REPORT C61127			
			0.221	0.221	0.221	OK						

Vessel Number: **612550P**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0000
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-2023-UT

PSV (TS) Calibration Date:

OK

OK

Vessel Number: **612550P**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0000
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-2023-UT

PSV (TS) Calibration Date:

OK

OK

Vessel Number: **612550P**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0000
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-2023-UT

Dwg: 86

PSV (SS) Calibration Date:

PSV (TS) Calibration Date:

OK

OK

Vessel Number: **612550P**

Manufacturer: CORLAC
Serial Number: 022506-1
Shell MAWP PSI: 75
Tube MAWP PSI: 0
Vessel CA: 0.0000
Skid: PKG59750

LSD: **14-12-075-03W6**

Project #: LRE-KAKUT-2023-UT

PSV (TS) Calibration Date:

OK

OK

ULTRASONIC FLAW DETECTOR CALIBRATION RECORD & EQUIPMENT LISTING

Procedure: AT-NDE—P-UT01

Revision: 0

Date of Issue: OCT. 2ND, 2022

Date: **JANUARY 12, 2023**

Instrumentation: Manufacturer: **DANATRONICS** Model: **EHC-09** Serial #: **05057425**

Probe: Manufacturer: **DANATRONICS** Model: **DKS-537** Size: **0.375"** Serial #: **25351**

Probe: Manufacturer: **GE** Model: **STRESSEL** Size: **0.250"** Serial #: **21A00M32**

Probe: Manufacturer: **N/A** Model: **N/A** Size: **N/A** Serial #: **N/A**

Calibration Block: Type: **Stepblock (CS)** Serial #: **52226** Type: **Stepblock (SS)** Serial #: **N/A**

Conducted by: Name: **Glenn Allen** CGSB **9738** Signature: 

Table 1: Vertical Linearity		
Ha % FSH	Limits % FSH	Hb - % FSH
10	2 - 8	5
20	7 - 13	10
30	12 - 18	15
40	18 - 23	20
50	23 - 27	25
60	29 - 31	30
70	33 - 37	35
80	38 - 42	40
90	42 - 48	45
100	47 - 53	50

Table 2: Horizontal Linearity		
Back Reflection	Limits % FSW	% Sweep Trace
1	0 - 3	0
2	8 - 12	10
3	20	20
4	28 - 32	30
5	38 - 42	40
6	48 - 52	50
7	58 - 62	60
8	68 - 72	70
9	80	80
10	88 - 92	90
11	98 - 102	100

Amplitude Control Linearity			
Reference % FSH	DB Control Change	Limits % FSH	Reading - % FSH
80	- 6	35 - 45	40
80	- 12	16 - 24	20
40	+ 6	64 - 96	80
20	+ 12	64 - 96	80

NDTCB OCEND

NRCAN NATIONAL NON-DESTRUCTIVE TESTING CERTIFICATION BODY
ORGANISME DE CERTIFICATION NATIONAL EN ESSAIS NON DESTRUCTIFS DE RNCAN

Name | Nom: **E. Glenn Allen**

Reg. Number | No. matricule: **9738**

Issue Date | Date d'émission: **2018/05/22**

Corrective lenses for vision required
Verres correctifs pour la vision sont nécessaires: **No | Non**

Colour vision limitation
Limitation de la vision des couleurs: **No | Non**

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Canada

NRCAN NATIONAL NON-DESTRUCTIVE TESTING CERTIFICATION BODY
ORGANISME DE CERTIFICATION NATIONAL EN ESSAIS NON DESTRUCTIFS DE RNCAN

Name | Nom: **E. Glenn Allen** Reg. Number | No. matricule: **9738**

Certified to CAN/CGSB-48.9712-2014 | Certifié selon CAN/CGSB-48.9712-2014

METHOD MÉTHODE	LEVEL NIVEAU	SECTOR SECTEUR	EFFECTIVE DATE DATE EFFECTIVE	EXPIRY DATE EXPIRATION
UT	2	EMC	2018/05/18	2022/03/15
PT	2	EMC	2018/05/18	2022/03/15
MT	2	EMC	2018/05/18	2022/03/15

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Pour la vérification de la certification, les politiques et les définitions, visitez le site-web de l'organisme de certification national en essais non destructifs (OCEND) de Ressources naturelles Canada (RNCAN)

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 P. K. Yuen | Director, NDTCB | Directeur, OCEND

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