

1.1-FRM-001VS Visual External Inspection Report

Report #:	PSV Service Report Avail. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N MDR Avail. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N UT Verified <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> External <input checked="" type="checkbox"/> Internal
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Date:	2022-06-06	WO #:	V-0080	Proc. Used:	Cat 1 - Unfired Separator	Rec. Insp. Interval:	3
Inspected By:	Dwight Colp ISI-PVPP Cert# 000692, API 510 #43558, API 570 #45288			Radiography:	1		
Client:	Lyons Production Services			Heat Treatment:	Yes		
Coordinator:	Dave Macdonald			National Board Number:	48		
Region:	Alberta, N.E. BC	Area:	Peace	Notes: PSV Removed for service at time of inspection. PSV Service Report Reviewed. UT Report Reviewed.			
Facility:	Lyons Yard						
Location, LSD	Portable						
Description:	<input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Exchanger <input type="checkbox"/> Tank <input type="checkbox"/> Heater						
Service Fluid:	<input type="checkbox"/> Sweet <input checked="" type="checkbox"/> Sour Fluid Name: Well Emulsion						
Unit Name / #:	ST-288	Equip#:	ST-288				
Equip. Name:	Horizontal Separator						
Jurisdiction #:	0485943	CRN:	R3435.213				
Manufacturer:	Dynacorp Fabricators Inc						
Year Built:	2004	S/N:	2J3-275-1				

Components:	Diameter	Length	Material	Nominal t	CA	Comment
Shell:	78"	30'	SA-516-70N	0.625"	0.125"	No Concerns
Head:	78"	2:1	SA-516-70N	0.6875"	0.125"	No Concerns
Channel:						
Tube:						
Other: Coil	4 NPS	NS	SA-106-B	0.674"	0.125"	No Concerns

PSV Data: PSV Capacity Verified: ☐ Y ☒ N Block Valve(s) Installed: ☐ Yes ☒ No Car-sealed Open: ☐ Yes ☐ No ☒ N/A

Zones:	MDMT	Design T	MAWP	Set Press	Tag#	Model	Manf.	PSV CRN	Serial Number	In.	Out.	Capacity	Serv. Co.	Serv. Date
Shell Side:	49 F	100 F	285 PSI	285 PSI	288	83J7811341-60-60-0	Taylor	0G01316.2C	9967-1	3"	3"	6960 SCFM	Unified	2022-06-10
Tube Side:														
Other:														

Orientation: ☒ Hor. ☐ Ver. **Foundation:** ☐ Concrete ☐ Gravel ☐ Timbers ☒ Steel ☒ Other: Trailer Condition: Good

Support:	<input checked="" type="checkbox"/> Saddle: <input checked="" type="checkbox"/> Seal-welded <input type="checkbox"/> Free to move	Condition: No Concerns
	<input type="checkbox"/> Skirt: <input type="checkbox"/> Free of debris Comment:	Condition:
	<input type="checkbox"/> Hangers: <input type="checkbox"/> Secure Comment:	Condition:
	<input type="checkbox"/> Other (Specify):	Condition:

Overall:	General Condition: Good <input type="checkbox"/> Dead Legs Exist	Electrical Grounding: <input type="checkbox"/> None <input checked="" type="checkbox"/> Indirect <input type="checkbox"/> Direct <input type="checkbox"/> Secure
Ext. Surface:	<input checked="" type="checkbox"/> Painted <input type="checkbox"/> Fire-proofed <input type="checkbox"/> Cladded <input type="checkbox"/> Insulated <input type="checkbox"/> Other:	Condition: Good, No concerns
Ext. Fixtures:	<input type="checkbox"/> Ladder <input type="checkbox"/> Platform(s) <input type="checkbox"/> Other (Specify):	Condition:
Int. Surface:	<input type="checkbox"/> Coated <input type="checkbox"/> Weld Overlay <input type="checkbox"/> Cladded <input type="checkbox"/> Lined <input type="checkbox"/> Thermal Sprayed	Condition:
Int. Fixtures:	<input type="checkbox"/> Baffle <input type="checkbox"/> Vortex Breaker <input type="checkbox"/> Float <input type="checkbox"/> Weir <input type="checkbox"/> Impingement plate	Condition:

Nozzles:	<input checked="" type="checkbox"/> MW <input type="checkbox"/> Inspection port only MW Size: 1x24"	<input checked="" type="checkbox"/> Davit arm: <input checked="" type="checkbox"/> Greased <input type="checkbox"/> Double-nutted	Condition: Good
	<input checked="" type="checkbox"/> Reinforcement pads used <input checked="" type="checkbox"/> Weep holes visible	<input checked="" type="checkbox"/> No evidence of weeping	Comment:

Piping:		Well-coated	Proper joints	Free of leaks	Proper supports	Fluid is identified	Flow dir. shown	Drains properly	Comments:
	<input checked="" type="checkbox"/> PSV piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PSV is mounted on Piping <input checked="" type="checkbox"/> or Vessel <input type="checkbox"/>
	<input checked="" type="checkbox"/> Inlet piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input checked="" type="checkbox"/> Outlet piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input checked="" type="checkbox"/> Drain piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input checked="" type="checkbox"/> Instrument piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Valves:	<input checked="" type="checkbox"/> Manual isolation valves:	<input checked="" type="checkbox"/> Free from leaks	Comment:
	<input checked="" type="checkbox"/> Automated control valves:	<input checked="" type="checkbox"/> Free from leaks	Comment:
	<input checked="" type="checkbox"/> Vents and/or drains:	<input checked="" type="checkbox"/> Properly plugged	Comment:

Gauges:	<input checked="" type="checkbox"/> Pressure:	Range: 0 - 600 PSI	Reading: 0	Condition: Good
	<input type="checkbox"/> Temperature:	Range:	Reading:	Condition:
	<input checked="" type="checkbox"/> Sight Glass Level:		Reading: Empty	Condition: Good

Recommended Actions:	1. No recommendations at this time.	NCR#
	2.	
	3.	

Summary: The vessel exterior and the associated piping are considered to be in Good condition.

Additional notes are attached: ☐

Item ☒ is suitable for service.
☐ is **NOT**

Inspector's Signature:



PHOTOS



Unit ID



Vessel Nameplate



Inlet Piping



Drain Piping



Coil Inlet and Level Gauge



Gas Outlet Piping

PHOTOS



Meter Run Piping



Produced Oil Piping



Level Gauges



PSV Removed



Dirty Side Drain Connection



Sparging and Coil Connections

Date:	2022-06-09	WO #:	V-0080	Proc. Used:	Cat 1 - Unfired Separator
Inspected By:	Dwight Colp ISI-PVPP Cert# 000692, API 510 #43558, API 570 #4528			Notes:	
Client:	Lyons Production Testing				
Coordinator:	Dave MacDonald				
Region:	Alberta, N.E. BC	Area:	Peace		
Facility:	Portable				
Location, LSD	Portable				
Description:	<input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Exchanger <input type="checkbox"/> Tank <input type="checkbox"/> Heater				
Service Fluid:	<input type="checkbox"/> Sweet <input checked="" type="checkbox"/> Sour Fluid Name: Well Emulsion				
Unit Name / #:	ST-288	Equip#:	ST-288		
Equip. Name:	Horizontal Separator				
Jurisdiction #:	0485943 ST-288	CRN:	R3435.213		
Manufacturer:	Dynacorp Fabricators Inc.				
Year Built:	2004	S/N:	2J3275		
Scope:	A visual internal (VI) inspection was performed on all accessible shell and head surfaces, nozzles, welds, etc.				
Manway:	Gasket Surfaces:	<input checked="" type="checkbox"/> Compliant with code	Comment:		
	Manway Nozzle:	<input checked="" type="checkbox"/> No pitting, erosion, etc.	Comment:		
Shell and Head Surfaces:	<input type="checkbox"/> Coated	<input type="checkbox"/> Continuous and well-adhered	Comment:		
	Uniform Corrosion:	<input checked="" type="checkbox"/> Insignificant amount	Comment:		
	Pitting Corrosion:	<input checked="" type="checkbox"/> None noted	Comment:		
	Erosion:	<input checked="" type="checkbox"/> None noted	Comment:		
	Mechanical Damage:	<input checked="" type="checkbox"/> None noted	Comment:		
Welds:	Uniform Corrosion:	<input checked="" type="checkbox"/> Insignificant amount	Comment:		
	Pitting Corrosion:	<input checked="" type="checkbox"/> None noted	Comment:		
	Welding Defects:	<input checked="" type="checkbox"/> None noted	Comment:		
NDT:	<input checked="" type="checkbox"/> NDT was performed by: PIMS		Type: <input type="checkbox"/> MPI (<input type="checkbox"/> WF <input type="checkbox"/> B&W <input type="checkbox"/> Dry) <input type="checkbox"/> LPI <input checked="" type="checkbox"/> UT <input type="checkbox"/> RT <input type="checkbox"/> Other: _____		
	Extent: External Head, Shell and Piping				
	Results: No concerns				
Nozzles:	Obstructions:	<input checked="" type="checkbox"/> None noted	Comment:		
	Corrosion:	<input checked="" type="checkbox"/> None noted	Comment:		
	Erosion:	<input checked="" type="checkbox"/> None noted	Comment:		
Attachments:	<input type="checkbox"/> Vortex Breaker	<input type="checkbox"/> Secure <input type="checkbox"/> Good condition	Comment:		
	<input type="checkbox"/> Impingement Plate	<input type="checkbox"/> Secure <input type="checkbox"/> Good condition	Comment:		
	<input checked="" type="checkbox"/> Internal Piping	<input checked="" type="checkbox"/> Secure <input checked="" type="checkbox"/> Good condition	Comment: No concerns		
	<input checked="" type="checkbox"/> Demister	<input checked="" type="checkbox"/> Secure <input type="checkbox"/> Good condition	Comment: Demister is badly corroded and will need replacing at next inspection.		
	<input checked="" type="checkbox"/> Heating Coil	<input checked="" type="checkbox"/> Secure <input checked="" type="checkbox"/> Good condition	Comment: No concerns		
	<input checked="" type="checkbox"/> Weir	<input checked="" type="checkbox"/> Secure <input checked="" type="checkbox"/> Good condition	Comment: No concerns		
	<input checked="" type="checkbox"/> Inlet Diffuser	<input checked="" type="checkbox"/> Secure <input checked="" type="checkbox"/> Good condition	Comment: No concerns		
	<input type="checkbox"/>	<input type="checkbox"/> Secure <input type="checkbox"/> Good condition	Comment:		
	<input type="checkbox"/>	<input type="checkbox"/> Secure <input type="checkbox"/> Good condition	Comment:		
Notes:					
Recommended Actions:	1. There are no recommendations at this time				
	2.				
	3.				

Additional notes are attached: ☐

Item ☒ is suitable for service.
☐ is **NOT**

Inspector's
Signature:



PHOTOS



Vessel Nameplate



Unit Overview



Inlet Diffuser



Internal Overview



Typical Nozzle Condition



Coil and Sparge Piping

PHOTOS



Head to Shell Weld



Weir and Pipe Penetrations



Demister



Weir to Shell Weld



Clean End Head and Nozzles



Upper Shell Overview

ALBERTA MUNICIPAL AFFAIRS

Alberta Boilers Safety Association

200, 4208 - 97 Street

Calgary, Alberta T6E 5Z9

Partial/ Partiel ☐

(A) 485943

AB-25 (side 1) 00/07

MANUFACTURER'S DATA REPORT

FOR PRESSURE VESSEL

DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR

D'APPAREILS SOUS PRESSION

Upon shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act, governing the construction and installation of pressure vessels.

Au moment de l'expédition d'un appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression.

Manufactured by Construit par	Name and address of Manufacturer/ Nom et adresse du constructeur DYNACORP FABRICATORS INC. 9815 48 ST. S.E. T2C 2R1 CALGARY, AB
Manufactured for Construit pour	Name and address of Purchaser or Consignee/ Nom et adresse du client ou de son représentant MEGA PRODUCTION SERVICES LTD. BOX 427 T1R 1B4 BROOKS, AB
Ultimate owner Utilisateur	Name and address/ Nom et adresse MEGA PRODUCTION SERVICES LTD. BOX 427 T1R 1B4 BROOKS, AB
Location of installation Lieu d'installation	Address/ Adresse PORTABLE

Pressure vessel/ Appareil

Type/ Genre 78" HORIZONTAL SEPERATOR	Overall Length/Longueur totale 18" CIRC TO CIRC	Serial No./ N° de série 2J3-275-1	Year built/Année de fabrication 2004
Provincial Registration No. - C.R.N./N° d'enregistrement provincial - N.E.C. R3435.213	National Board No./ N° National Board	Drawing No./ N° de dessin 5100-11 REV 0	

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code.

Les propriétés chimiques et physiques de toutes les composantes respectent les exigences des spécifications de matériaux de code ASME.

The design, construction and workmanship conform to CSA B51. La conception, la construction et la façon sont conformes à ACNOR B51.	ASME Section 8	Division 1	Addenda/Supplément 2003 ADDENDA 2002 EDITION	Code case No. N° de cas
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Manufacturer's partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report:

Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport:

Names of parts/ Nom de la composante	Item No./ N° d'item	Manufacturer's Name/ Nom du constructeur	Identifying Stamp/ Estampe d'identification

Shell/ Viole

Description	Material Matériau	Thickness Épaisseur	Corr. Allow. Surépais. de corr.	Diameter Diamètre	Longitudinal Joints Joints longitudinaux			P.W.H.T. Traitement therm		Girth Joints Joints de circonférence		Number of courses Nombre de sections
					Type	R.T. Radiog.	Efficiency Efficacité	Temp.	Time Durée	Type	R.T. Radiog.	
SHELL A	SA-516-70N	0.625"	0.0625"	78"	1	RT-1	100%	1150	60MIN	1	RT-1	2

Heads/ Têtes

Description	Material Matériau	Min. Thickn. Épais. minim.	Corr. Allow. Surép. Corr.	Crown. Radius Rayon couron.	Knuckle Radius Petit rayon	Ellipse Ratio Rapp. ellipse	Conical Apex Angle Angle conique	Hemisph. Radius Ray. Hémisph	Flat Diameter Diam.pla.	Side to pressure Côte sous pression
HEAD A	SA-516-70N	0.6875"	0.0625"			2:1				concave
HEAD B	SA-516-70N	0.6875"	0.0625"			2:1				concave

Removable bolts used (describe other fastenings)
Boulons amovible utilisés (décrire tout autre attache)

Mat'l Spec./ Spéc. du mat.

Grade

Size/ Dimension

Pressure - Temperature/ Pression - température

Pressure Vessel Part Partie de l'appareil	Constructed for max. allowable working pressure Construit pour une pression maximale de marche permise	At max. temp. A une temp. max.	Min. Temp. (when less than -29°C) Temp. min. (inférieure à -29°C)	Test pressure (hydro-pneumatic or combination) Pression d'épreuve (hydro-pneumatique ou combinaison)
VESSEL	285PSI	100F	-49F	428PSI

Tube Section/ Faisceau tubulaire

AB-25 (side 2) 00/07

4485943

Tube/Sheet/ Plaque tubulaire	Material/ Matériau	Diameter/ Diamètre	Nominal Thickness Épaisseur nominale	Corr. Allow. Surépais. corrosion	Attachment Mode d'attachement
Tube material/ Matériau des tubes	Diameter/ Diamètre	Nominal Thickness (gauge) Épaisseur nominale (calibre)	Number/ Nbre	Type (Straight or U) Type (Droit ou U)	Heating Surface Surface de chauffe

Jacket/ Chemise

Type of jacket/ Genre de chemise	Jacket closure Fermeture de chemise	Proof Test Pression d'épreuve	Heating Surface Surface de chauffe	Sketch/ Schéma
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Safety Valve Outlets/ Soupapes de sûreté

Number/ Nombre 1	Dimension 3"	Location/ Endroit SHELL
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Nozzles and Openings/ Tubulures et ouvertures

Purpose/ But	Number Nombre	Dimension	Type	Material Matériau	Nominal Thickness Épaisseur nominale	Reinforcement material Matériau de renfort	How attached Genre d'attaches	Location/ Endroit
DRAIN / STEAM COIL	2	4" NPS	RFSO / 150#	SA 106B / SA 350 LF2	.674"	NA	UW16C	SHELL / HEAD
INLET / OUTLET	2	6" NPS	RFSO / 150#	SA 106B / SA 350 LF2	.864"	NA	UW16C	SHELL
LIQUID OUT / DRAINS	7	3" NPS	RFSO / 150#	SA 106B / SA 350 LF2	.600"	NA	UW16C	SHELL / HEAD
LG / PI	10	3/4"	6M COUPLING	SA 105N	6000#	NA	UW16C	SHELL / HEAD
MANWAY	1	24" NPS	RFSO / 150#	SA 333 B / SA 350 LF2	.688	SA-516-70N	UW16C	HEAD
MANWAY	1	20" NPS	RFSO / 150#	SA 106B / SA 350 LF2	.594	SA-516-70N	UW16C	SHELL

Supports/ Supports

Skirt/ Jupe Yes/ Oui No/ Non <input type="checkbox"/> <input type="checkbox"/>	Lugs/ Oreilles No./ Nbre	Legs/ Pieds No./ Nbre 2	Other/ Autres (Description)	Attached/ Attaches (Where and How/ Méthode et endroit) SADDLES / WELDED
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Remarks/ Observations (Cubical capacity/ Volume)

Volume: 658 Cu Ft./ 18.63 Cu Meters

Impact Tests Exemptions: Heads, Shells, Repads exempt as per UCS-66 Curve D with Fig UCS-66.1 Reduction.

Nozzles, Couplings exempt as per UCS-66(b)(3). Flanges exempt as per UCS-66(g)

Weight: 16048lbs

Certificate of Compliance/ Certificat de conformité

We certify that the statements made in this data report are correct and that the said vessel has been constructed in accordance with the Provincial Registered design below and the requirements of standard CSA B51.

Nous certifions que les données de la déclaration de conformité sont correctes et que l'appareil a été construit en accord avec l'enregistrement provincial ci-dessous et les exigences de la norme ACNOR B51.

Provincial Registered Design
Enregistrement provincial R3435.213

Manufacturer
Constructeur DYNACORP FABRICATORS INC.

Signature [Signature] Date FEB 3/04

Certificate of Compliance - Field Work/ Certificat de conformité - Installation au chantier

We certify that the field installation of all parts of the vessel conforms with the requirements of Provincial Regulations.

Nous certifions que l'installation au chantier de toutes les composantes de l'appareil est conforme aux règlements provinciaux.

Installer's Name
Nom de l'installateur

Signature

Date

Certificate of Shop Inspection/ Certificat d'inspection en usine

I, the undersigned, a duly authorized Boiler and Pressure Vessel Inspector
Je, soussigné, inspecteur autorisé de chaudières et appareil sous pression
employed by
employé par Alberta Boilers Safety Association

of/ de Alberta
have inspected the above vessel and state that to the best of my knowledge and belief, the manufacturer has constructed the vessel in accordance with the Provincial registration CRN R3435.213 and the requirements of standard CSA B51.
ai inspecté l'appareil précité et autant que je sache, crois que le constructeur a construit l'appareil en accord avec l'enregistrement provincial NEC et les exigences de la norme ACNOR B51.

Inspector's Name
Nom de l'inspecteur ROY McCORMICK
Signature [Signature] Date FEB 3/04

Certificate of Field Inspection/ Certificat d'inspection - Installation au chantier

I, the undersigned, a duly authorized Boiler and Pressure Vessel Inspector
Je, soussigné, inspecteur autorisé de chaudières et appareil sous pression
employed by
employé par

have inspected the items not covered by the Shop Inspection Certificate and the installation of the items and state that to the best of my knowledge and belief the construction and assembly of the items are in accordance with the Provincial Regulations.

ai inspecté les composantes non couvertes par le certificat d'inspection en usine et l'installation de l'appareil et, autant que je sache, la construction et l'assemblage de l'appareil sont en accord avec les règlements provinciaux.

Inspector's Name
Nom de l'inspecteur

Signature Date

**PRV INSPECTION AND TEST REPORT**

BRANCH: Grande Prairie

UVL ID#: 60590G

Work Order: W15005962

Customer PO#:

Customer: LYONS PRODUCTION SERVICES LTD
Facility: LSD: SS-288
A#: Vessel SN:
Cust. Ref.: Valve PO:
Cust. WO#: Cust AFE#:

Date: 06/10/2022
PSV Location:
Cust Id:
PO LINE#:
Cost Centre#:

VALVE DATA

Man.: TAYLOR Model: 83J7811341-60-60-0 Serial: 9967-1 Seat: SOFT
Conn. Flanged Inlet: 3" 150 RF Orifice: J Outlet: 3" 150 RF Vacuum:
Set Press. 285 PSI Back Press.: N/A PSI CDTP: N/A PSI Temp: N/A F Cap: 6,960 SCFM
Lift Lever ☐ Cap Assembly: Closed RFID: Code Symbol: UV CRN#: 0G1316.2C

CUSTOMER INSTRUCTIONS

Instructions: Full Service Pretest Required? ☒ Reset Required? ☐

CONDITION AS RECEIVED

Visual Condition: Fair Data Plate Condition: OK Date of last service: 05/2019
Seal Condition: Top: Intact Bottom: N/A Insignia: UVL Fittings Attached: Inlet: ☐ Outlet: ☐
Inlet: Rusty Inlet Plugged: ☐ Outlet: Rusty Outlet Plugged: ☐ Initial Insp. Signoff: Rob Murdoch

PRETEST 1

Simmer: 285 PSI Set Press: 289 PSI Reseat: 223 PSI Leakage: 2 BPM Test Gauge: GP10K-1/5
Tested By: Jasper Piezas Pretest Comments:

PRETEST 2

Simmer: Set Press: Reseat: Leakage: Test Gauge: GP10K-1/5
Tested By: Pretest Comments:

COMPONENTS INSPECTION

(0 Like New / 1 Minor / 2 Medium / 3 Major)

ITEM	CLEAN	OLY	RUSTY	CARBON	PITTED	CORRODED	SCALE	VIBRATION	GROOVED	DENTED	GALLING	GOUGED	OTHER	Machined	Lapped	Polished	Replaced	Replace Next Service	COMMENTS
DISC			1		1									<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOZZLE			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CAP-LEVER ASSY	1													<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COMP SCREW and LOCK	1													<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AS FOUND: .33MM AS LEFT: .33MM																			
SPRING and BUTTONS	1													<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SPINDLE / STEM														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
STEM RETAINER														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DISC HOLDER														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GUIDE / UPPER RING	1													<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LOWER RING														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RING PIN(S)														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BELLOWS														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GASKET / SEALS	1												2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WORN
CONNECTION ENDS			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

DISC: : N/A ACT - NOZZLE: N/A ACT - SPRING NUMBER: NO#
Disassembly: ALLAN T Inspection: Duane Groth Reassembly: ALLAN T

FINAL TEST

Test Medium: Air Simmer: 283 PSI Set Pressure: 285 PSI
Reseat: 199 PSI Leakage Acceptable: ☒ B.P. Test: 60 PSI Vacuum:
ADJ. RING SETTING (NOTCHES): Upper: Lower: Test Gauge: GP5K-1/2 Set Press Def: POP
Tested by: Jasper Piezas Date Final Tested:

FINAL INSPECTION:

SEAL: Top: ☒ Bottom: ☐ End Protectors Installed: ☒ Painted: ☒ Palletized: ☒ Ship Container: ☐ Flex Gaskets Supplied: ☐

Final Inspection: DJ McBrearty Customer Inspection:

Comments: - SERVICE RATING: ROUTINE

PSV Service Report reviewed, Passed Pre-pop

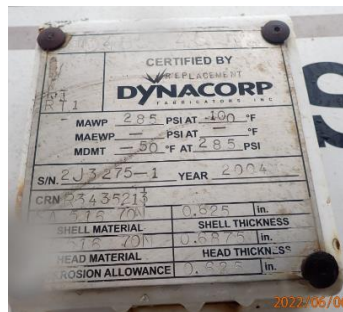
Contract Chief Inspector - Dwight Colp API 510 #43558, ABSA ISIPV-PP #000692

[illegible]



Location Name:	Grande Prairie AB	LSD:	Portable
Jur #:	0485943	Equipment/Tag No.	SS-288
Equipment Description:	Horizontal Separator		
Manufacturer:	Dynacorp Fabricators Inc.		
Serial Number:	2J3-275-1	CRN:	R3435.213
Shell MAWP:	285	PSI	Shell Design Temp: 100 °F
Tube MAWP:	-	PSI	Tube Design Temp: - °F
Shell Material:	SA-516-70N	Head Material:	SA-516-70N
Shell Thickness:	15.88	mm	Head Thickness: 17.46 mm
Corrosion Allowance:	3.2	mm	Date Built: 2004
Size:	78"	in	Pipe / Rolled Plate: Plate
RT:	RT1	Client DWG #:	-

Photos



View of Nameplate

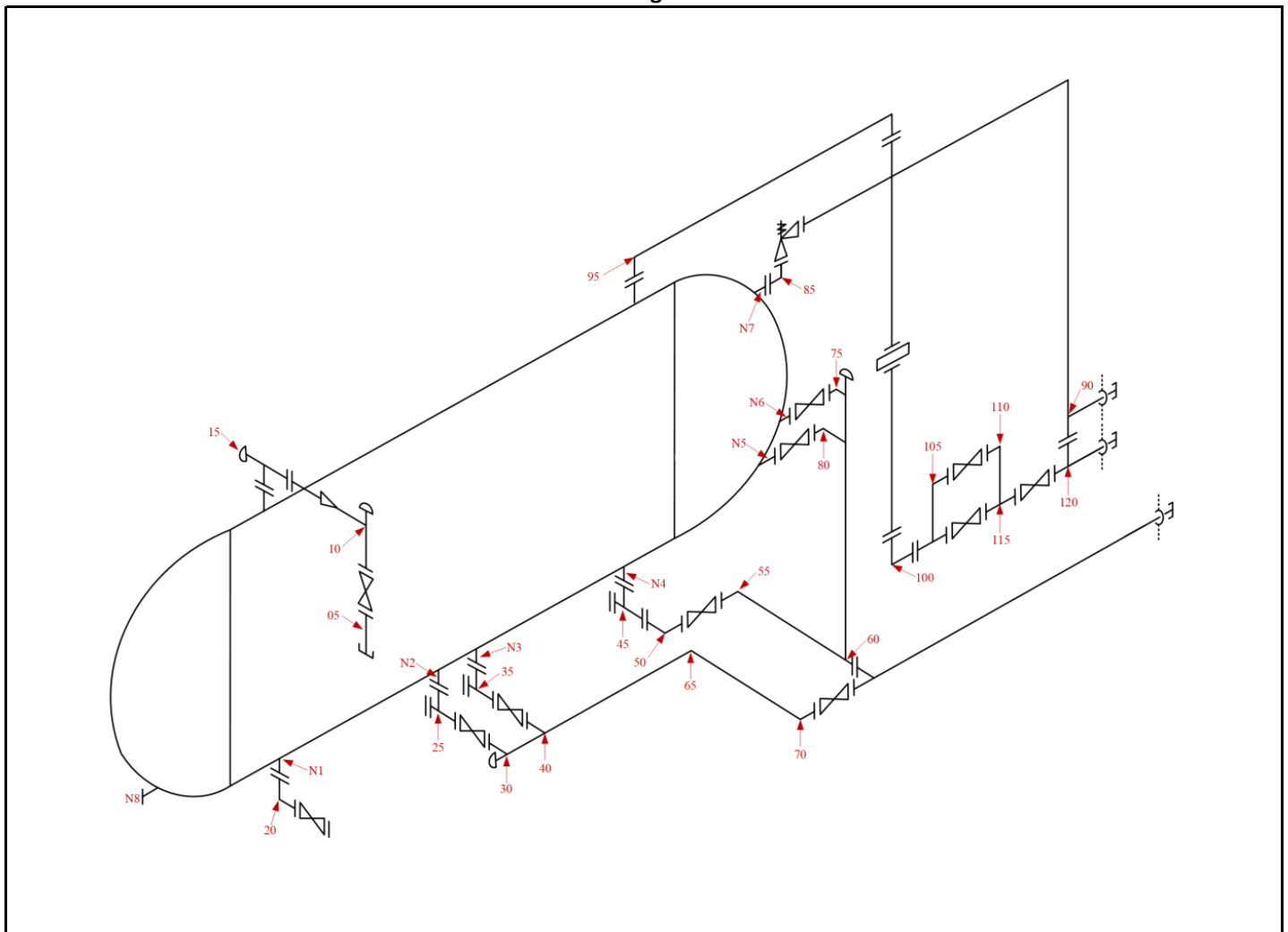


Overall view of Equipment



Location Name:	Grande Prairie AB	LSD:	Portable
Jur #:	0485943	Equipment/Tag No.	SS-288
Equipment Description:	Horizontal Seperator		
Manufacturer:	Dynacorp Fabricators Inc.		
Serial Number:	2J3-275-1	CRN:	R3435.213
Shell MAWP:	285	PSI	Shell Design Temp: 100 °F
Tube MAWP:	-	PSI	Tube Design Temp: - °F
Shell Material:	SA-516-70N	Head Material:	SA-516-70N
Shell Thickness:	15.88	mm	Head Thickness: 17.46 mm
Corrosion Allowance:	3.2	mm	Date Built: 2004
Size:	78"	in	Pipe / Rolled Plate: Plate
RT:	RT1	Client DWG #:	-

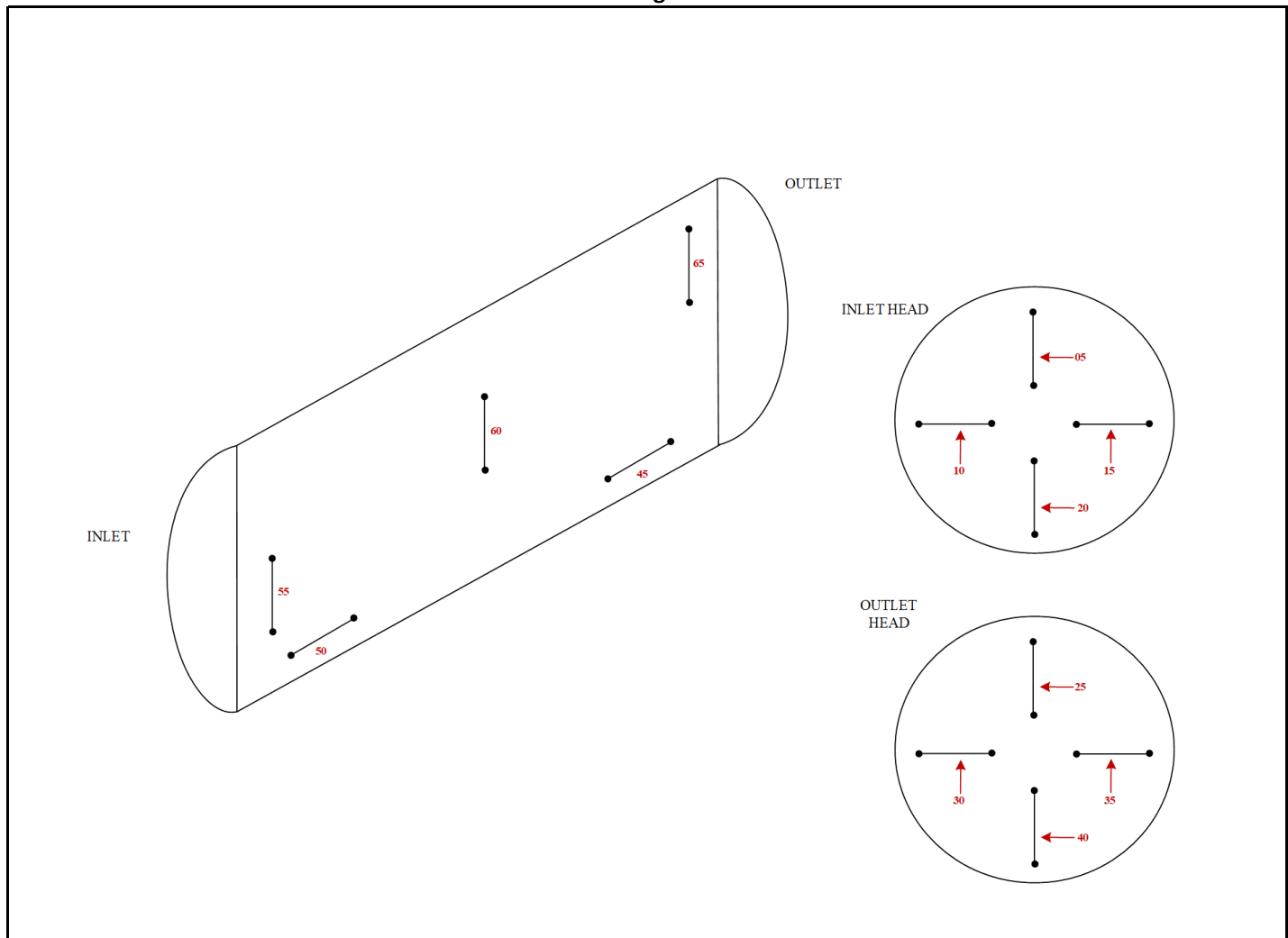
ISO Drawing of TML's





Location Name:	Grande Prairie AB	LSD:	Portable
Jur #:	0485943	Equipment/Tag No.	SS-288
Equipment Description:	Horizontal Seperator		
Manufacturer:	Dynacorp Fabricators Inc.		
Serial Number:	2J3-275-1	CRN:	R3435.213
Shell MAWP:	285	PSI	Shell Design Temp: 100 °F
Tube MAWP:	-	PSI	Tube Design Temp: - °F
Shell Material:	SA-516-70N	Head Material:	SA-516-70N
Shell Thickness:	15.88	mm	Head Thickness: 17.46 mm
Corrosion Allowance:	3.2	mm	Date Built: 2004
Size:	78"	in	Pipe / Rolled Plate: Plate
RT:	RT1	Client DWG #:	-

ISO Drawing of TML's



Location Name:	Grande Prairie AB			LSD:	Portable		
Jur #:	0485943			Equipment/Tag No	SS-288		
Equipment Description:	Horizontal Separator						
Manufacturer:	Dynacorp Fabricators Inc.						
Serial Number:	2J3-275-1			CRN:	R3435.213		
Shell MAWP:	285	PSI		Shell Design Temp:	100	°F	
Tube MAWP:	-	PSI		Tube Design Temp:	-	°F	
Shell Material:	SA-516-70N			Head Material:	SA-516-70N		
Shell Thickness:	15.88	mm		Head Thickness:	17.46	mm	
Corrosion Allowance:	3.2			Date Built:	2004		
Size:	78"			Pipe/Rolled Plate:	Plate		
RT:	RT1			Client DWG #:	-		

TML#	Description	Shape	Size	Sch	Nom	Flag		2022-06-06 Min Avg	
VESSEL PIPING									
5	Pipe	UpstreamCirc	4"	80	8.56	7.49		6.47	6.94
10	Pipe	Neck of Block Swing	4"	160	13.49	11.81		12.01	12.62
15	Pipe	Tee Cap	6"	80	10.97	9.60		9.51	12.00
20	Pipe	90° Elbow	4"	80	6.02	5.27		2.34	2.64
25	Pipe	Tee Neck	3"	40	5.49	4.81		4.55	5.81
30	Pipe	Tee Neck	3"	40	5.49	4.81		4.83	6.31
35	Pipe	Tee Neck	3"	40	5.49	4.81		4.20	5.78
40	Pipe	Tee Neck	3"	40	5.49	4.81		5.47	6.99
45	Pipe	Back of Tee	3"	40	5.49	4.81		4.99	5.93
50	Pipe	90° Elbow	3"	40	5.49	4.81		5.15	5.39
55	Pipe	90° Elbow	3"	40	5.49	4.81		5.30	5.73
60	Pipe	Tee Neck	3"	40	5.49	4.81		5.01	6.85
65	Pipe	90° Elbow	3"	40	5.49	4.81		4.99	5.36
70	Pipe	90° Elbow	3"	40	5.49	4.81		5.15	5.70
75	Pipe	90° Elbow	3"	40	5.49	4.81		5.14	5.58
80	Pipe	90° Elbow	3"	40	5.49	4.81		4.64	5.31
85	Pipe	90° Elbow	3"	40	5.49	4.81		3.85	4.50
90	Pipe	Tee Neck	3"	40	5.49	4.81		5.33	6.37
95	Pipe	90° Elbow	6"	40	7.11	6.23		6.31	6.61
100	Pipe	90° Elbow	4"	40	6.02	5.27		4.65	5.07
105	Pipe	90° Elbow	3"	40	5.49	4.81		4.55	4.99
110	Pipe	90° Elbow	3"	40	5.49	4.81		5.01	5.36
115	Pipe	Back of Tee	3" x 4"	40	6.02	5.27		5.69	6.86
120	Pipe	Back of Tee	4"	40	6.02	5.27		5.05	6.08
NOZZLES									
N1	Nozzle	Circ	NS	NS	NS	NS		14.90	15.50
N2	Nozzle	Circ	NS	NS	NS	NS		13.61	13.91
N3	Nozzle	Circ	NS	NS	NS	NS		13.02	13.37
N4	Nozzle	Circ	NS	NS	NS	NS		13.98	14.70

N5	Nozzle	Circ	NS	NS	NS	NS	14.83	15.47
N6	Nozzle	Circ	NS	NS	NS	NS	13.91	14.81
N7	Nozzle	Circ	NS	NS	NS	NS	14.08	14.31
N8	Nozzle	Circ	NS	NS	NS	NS	16.84	17.34
HEAD & SHELL								
5	Head	Ellipsodial	78"	NS	17.46	15.86	18.38	18.59
10	Head	Ellipsodial	78"	NS	17.46	15.86	18.63	18.87
15	Head	Ellipsodial	78"	NS	17.46	15.86	18.39	18.95
20	Head	Ellipsodial	78"	NS	17.46	15.86	17.91	18.32
25	Head	Ellipsodial	78"	NS	17.46	15.86	18.12	18.24
30	Head	Ellipsodial	78"	NS	17.46	15.86	18.79	19.10
35	Head	Ellipsodial	78"	NS	17.46	15.86	18.68	18.87
40	Head	Ellipsodial	78"	NS	17.46	15.86	17.95	18.22
45	Shell	Cylindrical	78"	NS	15.88	14.28	13.54	14.47
50	Shell	Cylindrical	78"	NS	15.88	14.28	13.84	14.17
55	Shell	Cylindrical	78"	NS	15.88	14.28	13.39	14.37
60	Shell	Cylindrical	78"	NS	15.88	14.28	14.30	14.83
65	Shell	Cylindrical	78"	NS	15.88	14.28	14.55	15.13