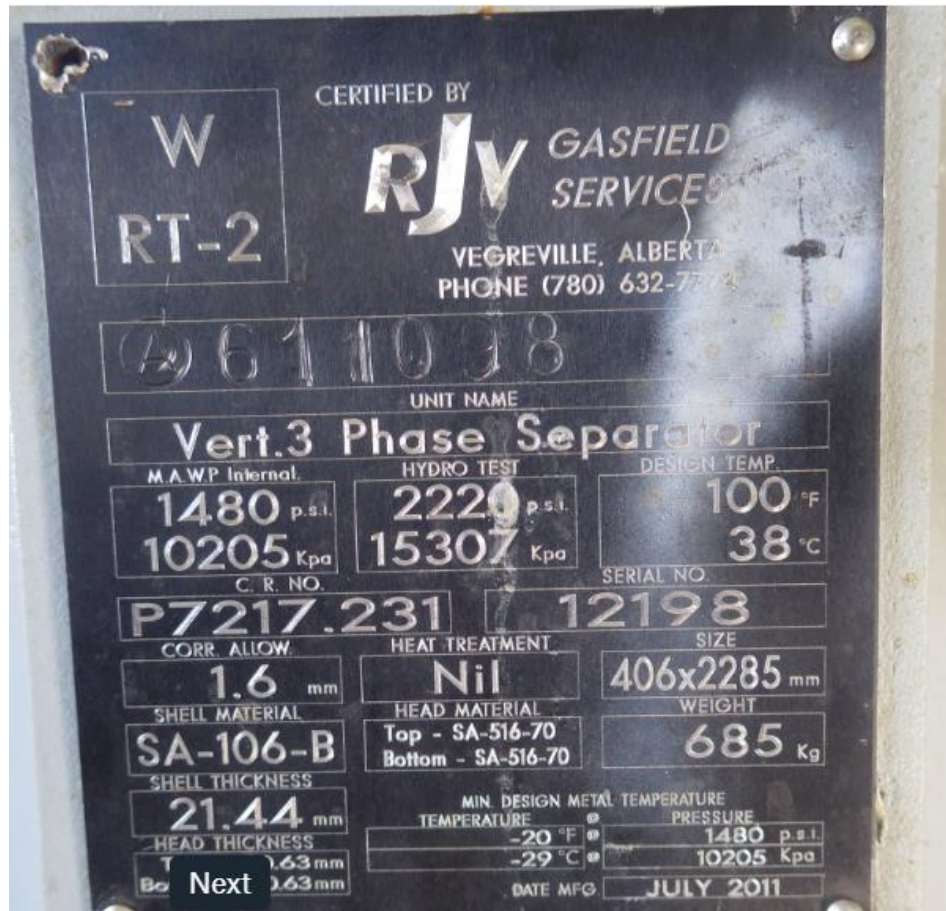
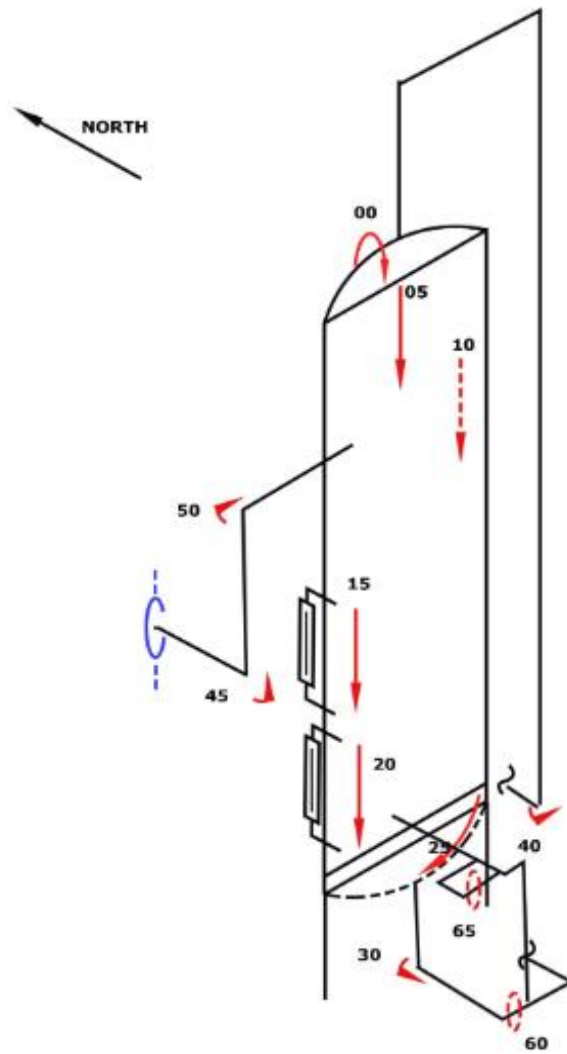




Location Name:	ANSELL GALLOWAY	LSD:	10-33-049-19W5
Jur #:	A0611098	Equipment/Tag No.	
Equipment Description:	SEPARATOR		
Manufacturer:	RJV		
Serial Number:	12198	CRN:	P7217.231
Shell MAWP:	10205	KPA	Shell Design Temp: 38 °C
Tube MAWP:		KPA	Tube Design Temp: °C
Shell Material:	A-106-B	Head Material:	SA-516-70N
Shell Thickness:	21.44	mm	Head Thickness: 20.63 mm
Corrosion Allowance:	1.6	mm	Date Built: 2011
Size:	406	mm	Pipe / Rolled Plate: PLATE
RT:	0.70	Streamline Report #:	STL-190169-DMS 48

NOTES: SAP 66181957









Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 48

Inspector: TODD MCFADYEN

LSD: 10-33-049-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611098	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12198
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PLATE

CML Description	Baseline	Flange ANSI:	Material: SA-516-70N
00 HEAD	2019	CA	T Min
Shape: Ellipsoidal	Min 21.31	Flag 19.030	STCR mm/yr 0.000
OD: 406.4	Avg 21.62	Nominal 20.630	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: A-106-B
05 SHELL	2019	CA	T Min
Shape: Cylindrical	Min 21.13	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 21.72	Nominal 21.440	LTCR mm/yr 0.038
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: A-106-B
10 SHELL	2019	CA	T Min
Shape: Cylindrical	Min 21.21	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 21.49	Nominal 21.440	LTCR mm/yr 0.029
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: A-106-B
15 SHELL	2019	CA	T Min
Shape: Cylindrical	Min 21.72	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 21.89	Nominal 21.440	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 48

Inspector: TODD MCFADYEN

LSD:	10-33-049-19W5	Area:	ANSELL GALLOWAY	Location:	FIELD
Jur #:	A0611098	Tag Number:		Vessel Name:	SEPARATOR
CRN:	P7217.231	Year Built:	2011	Serial Number:	12198
RT:	0.70	Vessel CA:	1.600 mm	Manufacturer:	RJV
		Shell MAWP:	10205 KPA	Tube MAWP:	KPA
		MAWT:	38 °C	MAWT:	°C
					Pipe/Plate
					PLATE

CML Description		Baseline		Flange ANSI:		Material:	A-106-B	
20	SHELL	2019	Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	Cylindrical	Min	21.97	19.840	1.600	21.440	0.000	0.000
OD:	406.4	Avg	22.23				Remaining Life:	
Spec:	ASME VIII Div.1	Comments:					Retirement Date:	

CML Description		Baseline		Flange ANSI:		Material:	SA-516-70N	
25	HEAD	2019	Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	Ellipsoidal	Min	21.36	19.030	1.600	20.630	0.000	0.000
OD:	406.4	Avg	22.02				Remaining Life:	
Spec:	ASME VIII Div.1	Comments:					Retirement Date:	

CML Description		Baseline		Flange ANSI:		Material:	SA-234-WPB	
30	NOZZLE	2019	Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	90° Elbow	Min	8.20	7.112	1.600	8.712	0.000	0.064
OD:	60.325	Avg	8.46				Remaining Life:	
Spec:	ASME VIII Div.1	Comments:	ASSUMED NOMINAL				Retirement Date:	

CML Description		Baseline		Flange ANSI:		Material:	SA-234-WPB	
35	PIPING	2019	Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	90° Elbow	Min	5.94	4.801	0.686	5.486	0.000	0.000
OD:	88.9	Avg	6.17				Remaining Life:	
Spec:	ASME B31.3	Comments:					Retirement Date:	



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 48

Inspector: TODD MCFADYEN

LSD: 10-33-049-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611098	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12198
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PLATE

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
40 PIPING	2019	CA	T Min
Shape: 90° Elbow	Min 7.16	Flag 6.668	STCR mm/yr 0.000
OD: 88.9	Avg 7.80	Nominal 7.620	LTCR mm/yr 0.057
Spec: ASME B31.3	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
45 PIPING	2019	CA	T Min
Shape: 90° Elbow	Min 8.36	Flag 6.668	STCR mm/yr 0.000
OD: 88.9	Avg 8.66	Nominal 7.620	LTCR mm/yr 1.089
Spec: ASME B31.3	Comments: ASSUMED NOMINAL		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
50 PIPING	2019	CA	T Min
Shape: 90° Elbow	Min 5.94	Flag 4.801	STCR mm/yr 0.000
OD: 88.9	Avg 6.05	Nominal 5.486	LTCR mm/yr 0.000
Spec: ASME B31.3	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-106-B
55 PIPING	2019	CA	T Min
Shape: 360° Circ	Min 6.71	Flag 6.668	STCR mm/yr 0.000
OD: 88.9	Avg 6.96	Nominal 7.620	LTCR mm/yr 1.089
Spec: ASME B31.3	Comments: ASSUMED NOMINAL		Remaining Life:
			Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 48

Inspector: TODD MCFADYEN

LSD: 10-33-049-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611098	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12198
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PLATE
CML Description	Baseline	Flange ANSI:
60 PIPING	2019	Material: SA-106-B
Shape: 360° Circ	Min 6.40	Flag 5.556
OD: 33.401	Avg 6.76	CA 0.794
Spec: ASME B31.3	Comments: ASSUMED NOMINAL	Nominal 6.350
		T Min
		STCR mm/yr 0.000
		LTCR mm/yr 0.000
		Remaining Life:
		Retirement Date: