



<input type="checkbox"/> Column <input type="checkbox"/> Cooler <input type="checkbox"/> Exchanger <input type="checkbox"/> Furnace <input type="checkbox"/> Heater <input type="checkbox"/> Plate Exchanger <input type="checkbox"/> Reboiler <input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Other	
Description:	INLET SEPARATOR
PRN No.:	A0516789
Manufactures Serial No.:	B712220
CRN:	R9920.2
Equipment No. (OIP):	520VS013
National Board No.:	N/S
Other:	

Client, District, LSD, Etc.:	
TAQA NORTH	
SOUSA COMPRESSOR STATION & FIELD	
LSD 07-04-113-04W6M	
COMPRESSOR STATION	
Tech.: M.R.M.	Date: 11/2016
ITS Job No.: 1-3626	DWG No.: 031

CLIENT:	TAQA North	PROV. REG. #:	A0516789
FACILITY:	Sousa Compressor Station & Field	SERIAL #:	B712220
UNIT/AREA:	Comp Stn (Inlet Sep)	OIP NO.:	520VS013
LSD:	07-04-113-04W6		
DESCRIPTION:	Inlet Separator		

Description: 8" 90L B-T

CML: 031-02

NOM. THICK.: 8.18 mm
 ASTM (-12.5%): 1.02 mm
 MIN. NOM.: 7.16 mm

MATERIAL:
 MINIMUM THICKNESS MEASURED: **8.50 mm**
 AVERAGE THICKNESS MEASURED: 8.53 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	<u>02/2008</u>	<u>06/2013</u>	<u>03/2016</u>	<u>11/2016</u>			
1	8.70	9.10	9.10	8.70	0.6404	0.0000	1.20
2	8.70	9.00	8.40	8.60	0.0000	0.0115	62.61
3	8.70	9.00	8.40	8.50	0.0000	0.0230	29.13
4	8.60	8.90	8.50	8.50	0.0000	0.0115	58.26
5	8.60	8.80	8.40	8.50	0.0000	0.0115	58.26
6	8.50	8.70	8.40	8.50	0.0000	0.0000	100.00
7	8.40	8.60	8.50	8.50	0.0000	0.0000	100.00
8	8.40	8.70	8.40	8.50	0.0000	0.0000	100.00
9	8.80	8.70	8.30	8.50	0.0000	0.0345	19.42
10	8.90	8.70	8.30	8.50	0.0000	0.0460	14.57

Description: TOP HEAD

CML: 031-04

NOM. THICK.: 32.61 mm
 CA: 1.84 mm
 MIN. NOM.: 30.77 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **35.60 mm**
 AVERAGE THICKNESS MEASURED: 35.88 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	<u>02/2008</u>	<u>06/2013</u>	<u>03/2016</u>	<u>11/2016</u>			
1	36.90	36.10	36.10	36.40	0.0000	0.0575	48.96
2	36.20	36.00	36.00	36.10	0.0000	0.0115	100.00
3	36.30	35.90	35.90	35.90	0.0000	0.0460	55.76
4	36.10	35.60	35.60	35.70	0.0000	0.0460	53.59
5	35.90	35.60	35.60	35.60	0.0000	0.0345	70.00
6	35.60	35.60	35.60	35.60	0.0000	0.0000	100.00

CLIENT:	TAQA North	PROV. REG. #:	A0516789
FACILITY:	Sousa Compressor Station & Field	SERIAL #:	B712220
UNIT/AREA:	Comp Stn (Inlet Sep)	OIP NO.:	520VS013
LSD:	07-04-113-04W6		
DESCRIPTION:	Inlet Separator		

Description: TOP SHELL E-W
CML: 031-06

 NOM. THICK.: 34.93 mm
 CA: 1.84 mm
 MIN. NOM.: 33.09 mm

 MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **35.80 mm**
 AVERAGE THICKNESS MEASURED: 35.83 mm

Rdg.	B/L Thick. MM/YYYY					Short Term mm/yr	Long Term mm/yr	Rem. Half Life
		02/2008	06/2013	03/2016	11/2016			
1	35.70	36.10	35.90	35.90	0.0000	0.0000	100.00	
2	35.70	36.00	35.80	35.80	0.0000	0.0000	100.00	
3	35.70	36.00	35.80	35.80	0.0000	0.0000	100.00	
4	35.80	36.00	35.80	35.80	0.0000	0.0000	100.00	
5	35.80	36.00	35.80	35.90	0.0000	0.0000	100.00	
6	35.80	36.00	35.80	35.80	0.0000	0.0000	100.00	

Description: MID SHELL S-N
CML: 031-08

 NOM. THICK.: 34.93 mm
 CA: 1.84 mm
 MIN. NOM.: 33.09 mm

 MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **35.60 mm**
 AVERAGE THICKNESS MEASURED: 35.68 mm

Rdg.	B/L Thick. MM/YYYY					Short Term mm/yr	Long Term mm/yr	Rem. Half Life
		02/2008	06/2013	03/2016	11/2016			
1	35.50	35.90	35.70	35.70	0.0000	0.0000	100.00	
2	35.40	35.90	35.80	35.70	0.1601	0.0000	8.15	
3	35.40	35.90	35.70	35.60	0.1601	0.0000	7.84	
4	35.40	35.90	35.70	35.60	0.1601	0.0000	7.84	
5	35.90	36.10	35.70	35.70	0.0000	0.0230	56.74	
6	35.90	36.20	35.70	35.70	0.0000	0.0230	56.74	
7	35.90	36.40	35.70	35.70	0.0000	0.0230	56.74	
8	36.00	36.40	35.70	35.70	0.0000	0.0345	37.83	

CLIENT:	TAQA North	PROV. REG. #:	A0516789
FACILITY:	Sousa Compressor Station & Field	SERIAL #:	B712220
UNIT/AREA:	Comp Stn (Inlet Sep)	OIP NO.:	520VS013
LSD:	07-04-113-04W6		
DESCRIPTION:	Inlet Separator		

Description: BOTTOM SHELL T-B

CML: 031-10

NOM. THICK.: 34.93 mm
 CA: 1.84 mm
 MIN. NOM.: 33.09 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **36.10 mm**
 AVERAGE THICKNESS MEASURED: 36.13 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	35.90	36.10	36.10	36.10	0.0000	0.0000	100.00
2	36.00	36.20	36.20	36.10	0.1601	0.0000	9.40
3	36.00	36.20	36.20	36.20	0.0000	0.0000	100.00
4	36.00	36.10	36.10	36.10	0.0000	0.0000	100.00
5	36.00	36.00	36.00	36.10	0.0000	0.0000	100.00
6	36.00	36.20	36.20	36.20	0.0000	0.0000	100.00

Description: BOTTOM HEAD T-B

CML: 031-12

NOM. THICK.: 32.61 mm
 CA: 1.84 mm
 MIN. NOM.: 30.77 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **36.20 mm**
 AVERAGE THICKNESS MEASURED: 36.37 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	36.10	36.50	36.20	36.20	0.0000	0.0000	100.00
2	36.20	36.60	36.50	36.40	0.1601	0.0000	17.58
3	36.60	36.70	36.40	36.30	0.1601	0.0345	17.27
4	36.50	36.70	36.60	36.30	0.4803	0.0230	5.76
5	36.10	36.70	36.30	36.30	0.0000	0.0000	100.00
6	36.30	36.80	36.80	36.70	0.1601	0.0000	18.52

CLIENT:	TAQA North	PROV. REG. #:	A0516789
FACILITY:	Sousa Compressor Station & Field	SERIAL #:	B712220
UNIT/AREA:	Comp Stn (Inlet Sep)	OIP NO.:	520VS013
LSD:	07-04-113-04W6		
DESCRIPTION:	Inlet Separator		

Description: 4" TEE T-B
CML: 031-14

 NOM. THICK.: 8.56 mm
 ASTM (-12.5%): 1.07 mm
 MIN. NOM.: 7.49 mm

 MATERIAL:
 MINIMUM THICKNESS MEASURED: **7.80 mm**
 AVERAGE THICKNESS MEASURED: 8.07 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	8.10	8.10	7.60	7.80	0.0000	0.0345	4.49
2	8.10	8.50	7.90	8.10	0.0000	0.0000	100.00
3	8.40	8.90	8.10	8.20	0.0000	0.0230	15.43
4	8.60	8.80	8.20	8.20	0.0000	0.0460	7.72
5	8.30	8.40	7.80	8.00	0.0000	0.0345	7.39
6	8.10	8.40	8.30	8.10	0.3202	0.0000	0.95

Description: 4" BOTTOM FLOAT T-B
CML: 031-16

 NOM. THICK.: 6.02 mm
 ASTM (-12.5%): 0.75 mm
 MIN. NOM.: 5.27 mm

 MATERIAL:
 MINIMUM THICKNESS MEASURED: **5.90 mm**
 AVERAGE THICKNESS MEASURED: 6.00 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	6.10	5.90	5.90	5.90	0.0000	0.0230	13.70
2	6.60	5.80	5.80	6.00	0.0000	0.0690	5.29
3	5.90	5.90	5.90	6.00	0.0000	0.0000	100.00
4	5.90	6.00	5.90	6.10	0.0000	0.0000	100.00
5	5.90	6.00	5.90	6.00	0.0000	0.0000	100.00
6	5.90	5.90	5.70	6.00	0.0000	0.0000	100.00

Description: 4" FLOAT HEAD E-S
CML: 031-18

 NOM. THICK.: 6.02 mm
 ASTM (-12.5%): 0.75 mm
 MIN. NOM.: 5.27 mm

 MATERIAL:
 MINIMUM THICKNESS MEASURED: **6.80 mm**
 AVERAGE THICKNESS MEASURED: 6.85 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	7.30	6.70	6.70	6.80	0.0000	0.0575	13.30
2	7.30	6.60	6.60	6.80	0.0000	0.0575	13.30
3	7.20	6.40	6.40	6.80	0.0000	0.0460	16.63
4	7.20	6.60	6.60	7.00	0.0000	0.0230	37.61

CLIENT:	TAQA North	PROV. REG. #:	A0516789
FACILITY:	Sousa Compressor Station & Field	SERIAL #:	B712220
UNIT/AREA:	Comp Stn (Inlet Sep)	OIP NO.:	520VS013
LSD:	07-04-113-04W6		
DESCRIPTION:	Inlet Separator		

Description: 3" 90L NOZZLE T-B
CML: 031-20

 NOM. THICK.: 7.62 mm
 ASTM + CA: 2.54 mm
 MIN. NOM.: 5.08 mm

 MATERIAL:
 MINIMUM THICKNESS MEASURED: **6.90 mm**
 AVERAGE THICKNESS MEASURED: 7.00 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	7.60	7.30	7.10	7.10	0.0000	0.0575	17.57
2	7.40	7.10	7.10	7.10	0.0000	0.0345	29.28
3	7.20	7.00	6.90	7.00	0.0000	0.0230	41.74
4	7.10	7.00	7.00	6.90	0.1601	0.0230	5.68
5	7.20	6.80	6.80	6.90	0.0000	0.0345	26.38

Description: 3" 90L T-B
CML: 031-22

 NOM. THICK.: 5.49 mm
 ASTM (-12.5%): 0.69 mm
 MIN. NOM.: 4.80 mm

 MATERIAL:
 MINIMUM THICKNESS MEASURED: **5.00 mm**
 AVERAGE THICKNESS MEASURED: 5.04 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	5.20	5.40	5.00	5.10	0.0000	0.0115	13.04
2	5.20	5.40	5.00	5.10	0.0000	0.0115	13.04
3	5.20	5.20	4.90	5.00	0.0000	0.0230	4.35
4	5.10	5.10	5.00	5.00	0.0000	0.0115	8.70
5	5.00	5.10	5.00	5.00	0.0000	0.0000	100.00

Description: 3" 90L T-B
CML: 031-24

 NOM. THICK.: 5.49 mm
 ASTM (-12.5%): 0.69 mm
 MIN. NOM.: 4.80 mm

 MATERIAL:
 MINIMUM THICKNESS MEASURED: **5.30 mm**
 AVERAGE THICKNESS MEASURED: 5.44 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	5.60	5.50	5.50	5.60	0.0000	0.0000	100.00
2	5.80	5.40	5.50	5.50	0.0000	0.0345	10.14
3	5.60	5.50	5.40	5.40	0.0000	0.0230	13.04
4	5.60	5.50	5.50	5.40	0.1601	0.0230	1.87
5	5.50	5.60	5.20	5.30	0.0000	0.0230	10.87

CLIENT:	TAQA North	PROV. REG. #:	A0516789
FACILITY:	Sousa Compressor Station & Field	SERIAL #:	B712220
UNIT/AREA:	Comp Stn (Inlet Sep)	OIP NO.:	520VS013
LSD:	07-04-113-04W6		
DESCRIPTION:	Inlet Separator		

Description: 3" 90L T-B

CML: 031-26

NOM. THICK.: 5.49 mm
 ASTM (-12.5%): 0.69 mm
 MIN. NOM.: 4.80 mm

MATERIAL:
 MINIMUM THICKNESS MEASURED: **5.10 mm**
 AVERAGE THICKNESS MEASURED: 5.22 mm

Rdg.	B/L Thick. MM/YYYY				Short Term mm/yr	Long Term mm/yr	Rem. Half Life
	02/2008	06/2013	03/2016	11/2016			
1	5.10	5.00	5.00	5.20	0.0000	0.0000	100.00
2	5.50	4.90	4.90	5.10	0.0000	0.0460	3.26
3	5.10	5.00	5.10	5.20	0.0000	0.0000	100.00
4	5.30	5.20	5.20	5.30	0.0000	0.0000	100.00
5	5.20	5.00	5.00	5.30	0.0000	0.0000	100.00