



# TRAP DETAILS REPORT

Date printed: 2016-Dec-13  
For Records Prior to: 2016-Dec-14

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Locations: Ontario, CA, Herstal, Belgium

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Nests: Buildings

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Groups: Central



## Herstal, Belgium

Tag Number 201  
 Nests Buildings  
 Groups Central  
 Elevation (feet) 4  
 Physical Location By the boiler

## Profile

Type Inverted Bucket  
 Manufacturer Armstrong  
 Model 2011  
 Connection Size 1"  
 Maximum Operating Pressure (psig) 250  
 Connection Type NPT Threaded  
 Condition Good  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

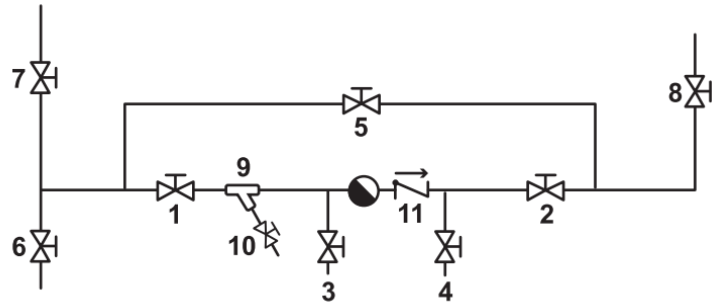


Condensate Recovery Yes  
 Application Process  
 Insulation Type Fiber Glass  
 Installed Date 2016-Nov-15  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	None		Unknown	Unknown
2 - Downstream trap isolati...	None		Unknown	Unknown
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 205  
 Nests Buildings  
 Groups Central  
 Elevation (feet) 1  
 Physical Location West wall by heat exchanger



## Profile

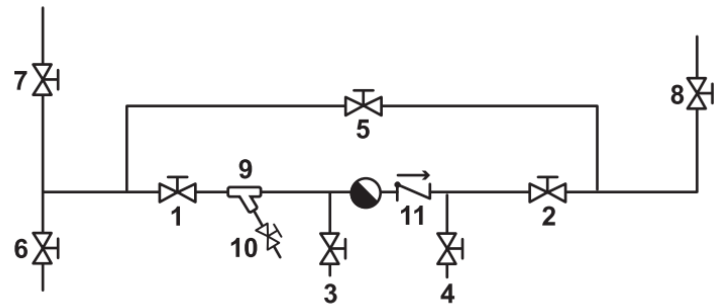
Type Disc  
 Manufacturer Spirax Sarco  
 Model TD42  
 Connection Size 1/2"  
 Maximum Operating Pressure (psig) 600  
 Connection Type Clamp  
 Condition Good  
 Piping Direction Angle  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

Condensate Recovery No  
 Application Drip  
 Insulation Type Mineral Wool  
 Installed Date 2011-Nov-7  
 Time in service (months per year) 12  
 Superheat Yes

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Globe Valve	4"	Unknown	Leaking
2 - Downstream trap isolati...		6"	ANSI Flanged 2500#	Unknown
3 - Depressurizing valve	None	5"	Unknown	Other Leakage
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 213  
 Nests Buildings  
 Groups West Wing, Central  
 Elevation (feet) 0  
 Physical Location West wall by heat exchanger

## Profile

Type Inverted Bucket  
 Manufacturer Armstrong  
 Model 2011  
 Connection Size 1"  
 Maximum Operating Pressure (psig) 250  
 Connection Type  
 Condition Good  
 Piping Direction  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

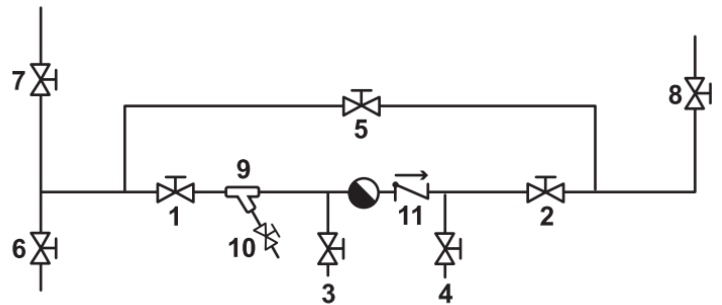


Condensate Recovery Yes  
 Application Drip  
 Insulation Type  
 Installed Date 2011-Nov-7  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Globe Valve	4"	Unknown	Leaking
2 - Downstream trap isolati...		6"	ANSI Flanged 2500#	Unknown
3 - Depressurizing valve	None	5"	Unknown	Other Leakage
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 214  
 Nests Buildings  
 Groups North Wing, East Wing, Central  
 Elevation (feet) 6  
 Physical Location Next to low pressure main

## Profile

Type Inverted Bucket  
 Manufacturer Anderson  
 Model 125  
 Connection Size 2"  
 Maximum Operating Pressure (psig) 200  
 Connection Type NPT Threaded  
 Condition Good  
 Piping Direction Vertical  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

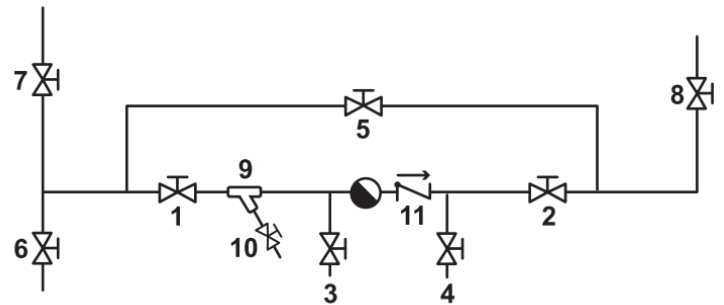


Condensate Recovery Yes  
 Application Drip  
 Insulation Type Fiber Glass  
 Installed Date 2011-Nov-7  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Piston Valve	1/2"	NPT Threaded	Good
2 - Downstream trap isolati...	Globe Valve	1-1/2"	NPT Threaded	Packing Gland Leakage
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 215  
 Nests Buildings  
 Groups North Wing, East Wing, West Wing, C...  
 Elevation (feet) 3  
 Physical Location West side by verticals

## Profile

Type Disc  
 Manufacturer Spirax Sarco  
 Model TD42  
 Connection Size 1"  
 Maximum Operating Pressure (psig) 600  
 Connection Type BSPT Threaded  
 Condition Leaking  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

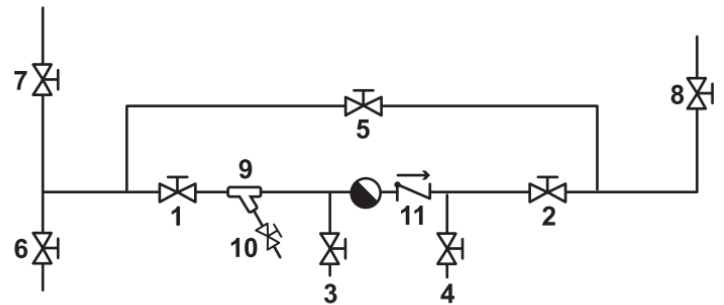


Condensate Recovery No  
 Application Drip  
 Insulation Type Foam Glass  
 Installed Date 2015-Nov-9  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Ball Valve	1/2"	BSPT Threaded	Good
2 - Downstream trap isolati...	None		Unknown	Unknown
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations Add isolation valve

## Herstal, Belgium

Tag Number 216  
 Nests Buildings  
 Groups West Wing, Central  
 Elevation (feet) 1  
 Physical Location By booster pumps

## Profile

Type Float  
 Manufacturer TLV  
 Model FS3-21  
 Connection Size 1"  
 Maximum Operating Pressure (psig) 300  
 Connection Type NPT Threaded  
 Condition Rapid Cycling  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

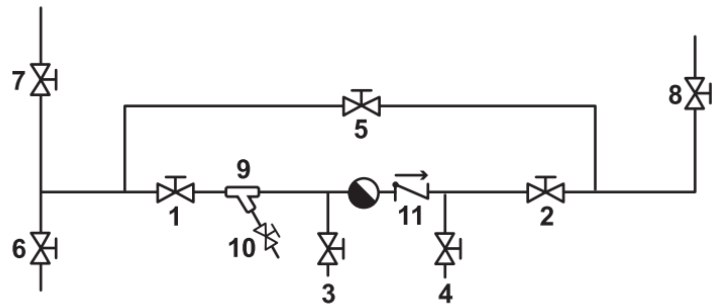


Condensate Recovery Yes  
 Application Drip  
 Insulation Type Fiber Glass  
 Installed Date 2016-Nov-6  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Ball Valve	1/2"	NPT Threaded	Good
2 - Downstream trap isolati...	Ball Valve	1/2"	NPT Threaded	Good
3 - Depressurizing valve			Unknown	Unknown
4 - Downstream blowdown ...			Unknown	Unknown
5 - By-pass valve			Unknown	Unknown
6 - Upstream blowdown val...			Unknown	Unknown
7 - Upstream tap station iso...			Unknown	Unknown
8 - Downstream trap statio...			Unknown	Unknown
9 - Strainer			Unknown	Unknown
10 - Strainer Blowdown Val...			Unknown	Unknown
11 - Check valve			Unknown	Unknown

Technician name SYSTEM  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 217  
 Buildings  
 Groups West Wing, Central  
 Elevation (feet) 6  
 Physical Location Demo wall

## Profile

Type Inverted Bucket  
 Manufacturer Armstrong  
 Model 2011  
 Connection Size 1/2"  
 Maximum Operating Pressure (psig) 250  
 Connection Type NPT Threaded  
 Condition Good  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

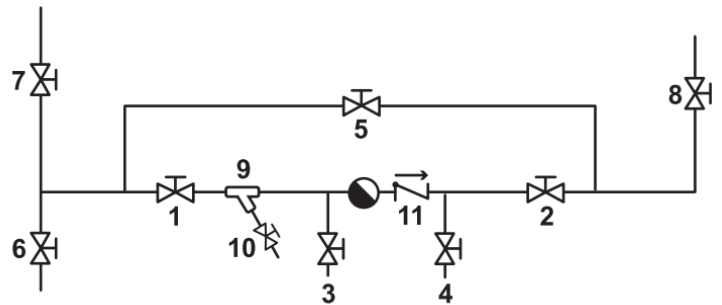


Condensate Recovery No  
 Application Drip  
 Insulation Type Foam Glass  
 Installed Date 2016-Nov-7  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	None		Unknown	Unknown
2 - Downstream trap isolati...	None		Unknown	Unknown
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations



## Herstal, Belgium

Tag Number 303  
 Nests Buildings  
 Groups Central  
 Elevation (feet) 6  
 Physical Location Demo wall

## Profile

Type Inverted Bucket  
 Manufacturer Armstrong  
 Model 800  
 Connection Size 1/2"  
 Maximum Operating Pressure (psig) 20  
 Connection Type ANSI Flanged 125#  
 Condition Cold  
 Piping Direction Stacked  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

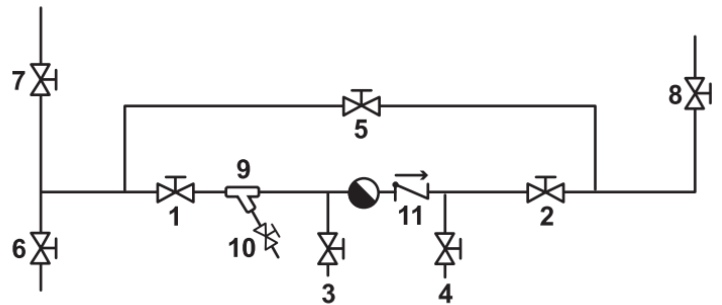


Condensate Recovery Yes  
 Application Drip  
 Insulation Type Fiber Glass  
 Installed Date 2016-Nov-7  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	None		Unknown	Unknown
2 - Downstream trap isolati...	None		Unknown	Unknown
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 321  
 Nests Buildings  
 Groups Central  
 Elevation (feet) 10  
 Physical Location By the boiler

## Profile

Type Float  
 Manufacturer Spirax Sarco  
 Model FT125  
 Connection Size 1"  
 Maximum Operating Pressure (psig) 125  
 Connection Type BSPT Threaded  
 Condition Blow Thru  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

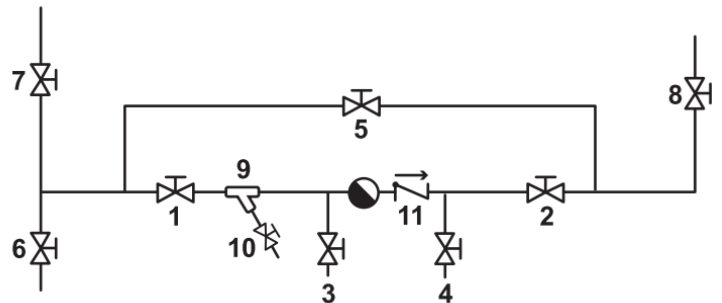


Condensate Recovery Yes  
 Application Process  
 Insulation Type Fiber Glass  
 Installed Date 2014-Nov-15  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Globe Valve	1"	BSPT Threaded	Good
2 - Downstream trap isolati...	None		Unknown	Unknown
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	Y type	1"	BSPT Threaded	Leaking through Gasket
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	Ball	1"	BSPT Threaded	Good

Technician name SYSTEM  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 322  
 Nests Buildings  
 Groups Central  
 Elevation (feet) 12  
 Physical Location In ceiling tile

## Profile

Type Float  
 Manufacturer Armstrong  
 Model FT-4150  
 Connection Size 1"  
 Maximum Operating Pressure (psig) 150  
 Connection Type BSPT Threaded  
 Condition Good  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

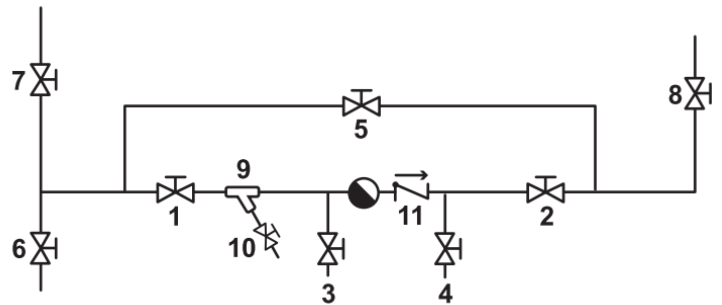


Condensate Recovery Yes  
 Application Drip  
 Insulation Type None  
 Installed Date 2016-Nov-15  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Ball Valve	1"	BSPT Threaded	Good
2 - Downstream trap isolati...	None		Unknown	Unknown
3 - Depressurizing valve	None		Unknown	Unknown
4 - Downstream blowdown ...	None		Unknown	Unknown
5 - By-pass valve	None		Unknown	Unknown
6 - Upstream blowdown val...	None		Unknown	Unknown
7 - Upstream tap station iso...	None		Unknown	Unknown
8 - Downstream trap statio...	None		Unknown	Unknown
9 - Strainer	None		Unknown	Unknown
10 - Strainer Blowdown Val...	None		Unknown	Unknown
11 - Check valve	None		Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations

## Herstal, Belgium

Tag Number 987  
 Nests Buildings  
 Groups Central  
 Elevation (feet) 6  
 Physical Location By the left wall above play

## Profile

Type Inverted Bucket  
 Manufacturer Armstrong  
 Model 2011  
 Connection Size 1/2"  
 Maximum Operating Pressure (psig) 250  
 Connection Type NPT Threaded  
 Condition Good  
 Piping Direction Horizontal  
 Steam Pressure In (psig) 10  
 Steam Pressure Out (psig) 0

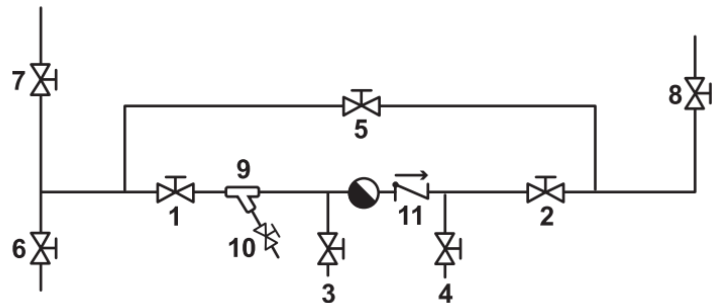


Condensate Recovery Yes  
 Application Drip  
 Insulation Type None  
 Installed Date 2016-Nov-10  
 Time in service (months per year) 12  
 Superheat No

## Trap Valve Data

Valve Description	Type	Connection Size	Connection Type	Condition
1 - Upstream trap isolation ...	Ball Valve	6"	NPT Threaded	Good
2 - Downstream trap isolati...			Unknown	Unknown
3 - Depressurizing valve			Unknown	Unknown
4 - Downstream blowdown ...			Unknown	Unknown
5 - By-pass valve			Unknown	Unknown
6 - Upstream blowdown val...			Unknown	Unknown
7 - Upstream tap station iso...			Unknown	Unknown
8 - Downstream trap statio...			Unknown	Unknown
9 - Strainer			Unknown	Unknown
10 - Strainer Blowdown Val...			Unknown	Unknown
11 - Check valve			Unknown	Unknown

Technician name Kurt Armstrong  
 Date checked 2016-Dec-13  
 Comments



Recommendations