Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: ; Anzahl Betriebsstunden: ; TestAbles-THM-Pipe1.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No
IPAT	Villarpipe 1	H.020000170Z	THM 130.4: 12. RV 50.150. 04

Versuchs- Nr. Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		29.02.12	2/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes		add	add	add	DCS	DCS	DCS	DCS		DCS	DCS	DCS	DCS
Lfd. Nr. Ser. No. No. crt.		Ambient pressure, Thommen	Ambient temperature, VAISALA	Ambient humidity, VAISALA	Fuel flow meter: diff. press. PDI-PDT138	Fuel flow meter: Press. PI-PT138	Fuel flow meter: Temp. TI-TT138	Fuel flow meter: Norm. Flow FI-FT138		Position IGV ZI-21141	Speed gas generator SI-S1001	Speed power turbine SI-S1011	Position Combustion chamber bypass flaps ZI-21134
Formelzeichen Symbol - Symbole		p_0	T_0	φ	Δp_f	p_f	T_f	$\dot{v}_f$		Z_{IGV}	N_{GG}	N_{PT}	$Z_{MLK\ l/r}$
Maßeinheit Unit of measurem. Unité de mesure		mbar	°C	%	mbar	bar-g	°C	$\frac{m_N^3}{h}$		deg	$\frac{1}{min}$	$\frac{1}{min}$	% o
16:42	INet	1020,8	17	31	58	24	12,4	2200		-19,3	10738	7540	45
18:25	Station	986	19	28	58	24	12,0	2212		-19,2	10743	7542	45
19:55					57	24,2	11,6	2198		-19,2	10658	7540	53

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: ; Anzahl Betriebsstunden: ; TestAbles-THM-Pipe2.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 1	H.020000170 2	THM 130.4.: 1.2 RV 501.50 0.4

Versuchs- Nr. Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		29.02.12	3/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS			
Lfd. Nr. Ser. No. No. crt.	Station flow meter: Differ. press. PDI- Station	Station flow meter: Press. PI- Station	Station flow meter: Temp. TI- Station	Station flow meter: Norm. Flow FI- Station	Suction header: Press. PI- P40210	Suction header: Temp. TI- T40210	Station recycle valve: Position ZI- ZT40280	Discharge header: Press. PI- P40230	Discharge header: Temp. TI- T40230			
Formelzeichen Symbol - Symbole	$Dp_{St,F}$	$p_{St,F}$	$T_{St,F}$	$V\_{St,F}$	p_{SH}	T_{SH}	$Z_{St,RV}$	p_{DH}	T_{DH}			
Maßeinheit Unit of measurem. Unité de mesure	~~mbar~~ mmca	bar-g	°C	$\frac{m_N^3}{h}$	bar-g	°C	%-open	bar-g	°C			
16:42					44,1	21,6	0	72,1	64,4			
18:25					44,4	23,2	0	70,3	63,5			
19:55	120	74,8	32,5	223,64	44,1	18,6	0	73,8	63,0			

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: ; Anzahl Betriebsstunden: ; TestAbles-THM-Pipe3.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.	
IPAT	Villarpide 1	H.020000 17.02	THM 1304: 12. RV 5015D: 04	
Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No / Feuille No.
	U. Feldhoff		29.02.12	5/5

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS		DCS
Lfd. Nr. / Ser. No / No. crt.		Compressor flow meter: Differ. press. PDI- PDT 40214	Compressor flow meter: Press. PI-	Compressor flow meter: Temp. TI- T40210	Compressor flow meter: Norm. Flow FI- ASC N flow	Compressor Suction: Press. PI- P40210	Compressor Suction: Temp. TI- T40210	Compressor suction diff. press. PDI-; Suction flow	Compressor isen-tropic Head YI- ASC head	Compressor Surge Margin YI- ASC Xol pl	Compressor Discharge: Press. PI- P40230	Compressor Discharge: Temp. TI- T40230	Gas cooler: Discharge temp. Compressor recycle valve: Position ZI-
Formelzeichen / Symbol - Symbole		$dp_{C,F}$	$p_{C,F}$	$T_{C,F}$	$V\_{C,F}$	$p_{C,1}$	$T_{C,1}$	$dp_{C,suc}$ $V\_{C,1}$	$Y_{s,C}$	x_d	$p_{C,2}$	$T_{C,2}$	$T_{C,GC2}$ $Z_{C,RV}$
Maßeinheit / Unit of measurem. / Unité de mesure		mbar	bar-g	°C	$\frac{m_N^3}{h}$	bar-g	°C	mbar m3/h	kJ/kg	%	bar-g	°C	°C %-open
16:42		1050		21,65	203k	44,06	21,65		61600	-15	72,1	64,5	
18:25		1205		23,29	215,3k	44,4	23,3		57353	-20	70,3	63,3	
19:55		1009		18,5	198,7k	44,1	18,5		63766	-13	73,8	63,0	

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Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: ; Anzahl Betriebsstunden: ; TestAbles-THM-Pipe4.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villerpipe 1	H.020000 1702	THM 1304: 12 RV 5015a: 04

Versuchs- Nr. Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		29.02.12	4/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS
Lfd. Nr. Ser. No. No. crt.		GG suction: pressure loss PDI- PDT3111	GG suction: temp. TI- TI311.1	GG-compressor discharge: press. PI- PT141	GG-compressor discharge: temper. TI-	PT-inlet: pressu. PI-	PT-inlet: temp. TI-	PT-outlet: press. loss PDI-	PT-outlet: temp. TI-	Torque Meter: Tempe TI-	Torque Meter: Speed SI- ST40 1614	Torque Meter: Torque GI-	Torque Meter: Power GI JT40 1611
Formelzeichen Symbol - Symbole		Dp_{in}	T_{a1}	$p_{a,3}$	$T_{a,3}$	$p_{g,61}$	$T_{g,61}$	dp_{out}	$T_{g,7}$	T_{TM}	N_{TM}	Md_{TM}	P_{TM}
Maßeinheit Unit of measurem. Unité de mesure		mbar-d	°C	bar-g	°C	bar-g	°C	mbar-d	°C	°C	rpm	kNm	kW
16.42		146	18,8	5,68							7565		4640
18:25		149	18,1	5,72							7565		4827
19:55		146	13,3	5,73							7565		4692

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: ; Anzahl Betriebsstunden: ; TestAbles-THM-Pipe5.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.	
IPAT	Villarpipe 1	H0200001702	THM 1304: 12 RV 5050: 04	
Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. / Feuille No.
	U. Feldhoff		29.02.12	1/5

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		DCS	DCS	DCS	DCS	DCS		DCS	DCS	DCS	DCS	DCS	
Lfd. Nr. / Ser. No. / No. crt.		PT-inlet: temp. Left-01 TI-c TO12.1	PT-inlet: temp. Left-12 TI- TO12.2	PT-inlet: temp. Left-10 TI- TO12.3	PT-inlet: temp. Left-09 TI- TO12.4	PT-inlet: temp. Left-av. TI- TO12		PT-inlet: temp. Right-03 TI- TO11.1	PT-inlet: temp. Right-04 TI- TO11.2	PT-inlet: temp. Right-06 TI- TO11.3	PT-inlet: temp. Right-07 TI- TO11.4	PT-inlet: temp. Right-av. TI- TO11	
Formelzeichen / Symbol - Symbole		$T_{g,61}$ 01	$T_{g,61}$ 12	$T_{g,61}$ 10	$T_{g,61}$ 09	$T_{g,61}$ L,av		$T_{g,61}$ 03	$T_{g,61}$ 04	$T_{g,61}$ 06	$T_{g,61}$ 07	$T_{g,61}$ R,av	
Maßeinheit / Unit of measurem. / Unité de mesure		°C	°C	°C	°C	°C		°C	°C	°C	°C	°C	
16:42		708	650	571	634	641		528	674	655	613	620	
18:25		709	650	570	632	640		529	674	658	614	617	
19:55		715	643	547	611	628		491	648	653	599	598	

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: 51 ; Anzahl Betriebsstunden: 188 ; TestAbles-THM-Pipe1.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.	
IPAT	Villa pipe 2	H.020000 1702	THM 1304: 12	RV 50.1.50: 04

Versuchs- Nr. Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		05.03.....12	215

Meßstellen-Nr. Measuring Pt. No. No Point Mes		add	add	add	DCS	DCS	DCS	DCS		DCS	DCS	DCS	DCS
Lfd. Nr. Ser. No. No. crt.		Ambient pressure, Thommen	Ambient temperature, VAISALA	Ambient humidity, VAISALA	Fuel flow meter: diff. press. PDI- PDT138	Fuel flow meter: Press. PI- PT138	Fuel flow meter: Temp. TI- TT138	Fuel flow meter: Norm. Flow FI- FT138		Position IGV ZI- 21441	Speed gas generator SI- S1001	Speed power turbine SI- S1011	Position Combustion chamber bypass flaps 21134
Formelzeichen Symbol - Symbole		p_0	T_0	φ	Δp_f	p_f	T_f	$\dot{V}_f$		Z_{IGV}	N_{GG}	N_{PT}	Z_{MLK} l/r
Maßeinheit Unit of measurem. Unité de mesure		mbar	°C	%	mbar	bar-g	°C	$\frac{m_N^3}{h}$		deg	$\frac{1}{min}$	$\frac{1}{min}$	%
05.03	12⁰⁰	994	12	44	58	24	10,9	2205		-18,7	10520	7540	61,9
05.03	13¹⁰	994	12	41	59	24	11,2	2229		-18,7	10557	7541	59,5
05.03	14⁴⁵	993	12	43	58	24,1	11,2	2214		-18,7	10547	7540	58,8

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: 51; Anzahl Betriebsstunden: 188; TestAbles-THM-Pipe2.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 2	H.02000 1702	THM 1304: 12 RV 501.50: 04

Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader - Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. / Feuille No.
	U. Feldhoff		05.03.12	3/5

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS			
Lfd. Nr. / Ser. No. / No. crt.		Station flow meter: Differ. press. PDI-	Station flow meter: Press. PI-	Station flow meter: Temp. TI-	Station flow meter: Norm. Flow FI-	Suction header: Press. PI- P40210	Suction header: Temp. TI- T40210	Station recycle valve: Position ZI- ZT40280	Discharge header: Press. PI- P40230	Discharge header: Temp. TI- T40230			
Formelzeichen / Symbol - Symbole		$Dp_{St,F}$	$p_{St,F}$	$T_{St,F}$	$V\_{St,F}$	p_{SH}	T_{SH}	$Z_{St,RV}$	p_{DH}	T_{DH}			
Maßeinheit / Unit of measurem. / Unité de mesure		mbar	bar-g	°C	$\frac{m_N^3}{h}$	bar-g	°C	%-open	bar-g	°C			
05.03	12[00]	131,5	73,4	39		44,4	23,2	0	72,4	66			
05.03	13[10]	154,8	71,2	33,7		44,2	21	0	70,3	61,6			
05.03	14[45]	115	75,3	31,9		44,2	18,5	0	74,4	63,7			

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: 51 ; Anzahl Betriebsstunden: 188 ; TestAbles-THM-Pipe3.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 2	H.020000-1702	THM 1304: 12 RV 50150: 04

Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. / Feuille No.
	U. Feldhoff		05.03.12	5/5

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS		DCS
Lfd. Nr. / Ser. No. / No. crt.		Compressor flow meter: Differ. press. PDI- PDT 40214	Compressor flow meter: Press. PI-	Compressor flow meter: Temp. TI- TI 40210	Compressor flow meter: Norm. Flow FI- ASC N Flow	Compressor Suction: Press. PI- P40210	Compressor Suction: Temp. TI- T40210	Compressor suction diff. press. PDI-; Suction flow	Compressor isentropic Head YI- ASC head	Compressor Surge Margin YI- ASC Kd PL	Compressor Discharge: Press. PI- P40230	Compressor Discharge: Temp. TI- T40230	Gas cooler: Discharge temp. Compressor recycle valve: Position ZI-
Formelzeichen / Symbol - Symbole		$dp_{C,F}$	$p_{C,F}$	$T_{C,F}$	$V_{\_C,F}$	$p_{C,1}$	$T_{C,1}$	$dp_{C,suc}$ $V_{\_C,1}$	$Y_{s,C}$	x_d	$p_{C,2}$	$T_{C,2}$	$T_{C,GC2}$ $Z_{C,RV}$
Maßeinheit / Unit of measurem. / Unité de mesure		mbar	bar-g	°C	$\frac{m_N^3}{h}$	bar-g	°C	mbar m3/h	kJ/kg	%	bar-g	°C	°C %-open
05.03	12^{20}	1093		23,3	206k	44,4	23,3		61350	-15,8	72,4	66,1	
05.03	13^{10}	1256		21	221k	44,2	21		57500	-21	70,2	64,5	
05.03	14^{45}	1000		18,4	201k	44,2	18,4		64400	-13	74,3	63,6	

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: 51 ; Anzahl Betriebsstunden: 188 ; TestAbles-THM-Pipe4.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 2	H.020000170Z	THM 1304 : 12 RV 50.1.50 : 041

Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. / Feuille No.
	U. Feldhoff		05.03.12	4/5

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS
Lfd. Nr. / Ser. No. / No. crt.		GG suction: pressure loss PDI- PDT311.1	GG suction: temp. TI- T13M.1	GG-compressor discharge: press. PI- PT141	GG-compressor discharge: temper. TI-	PT-inlet: pressu. PI-	PT-inlet: temp. TI-	PT-outlet: press. loss PDI-	PT-outlet: temp. TI-	Torque Meter: Tempe TI-	Torque Meter: Speed SI- ST40161A	Torque Meter: Torque GI-	Torque Meter: Power GI- ST40161A
Formelzeichen / Symbol - Symbole		Dp_{in}	T_{a1}	$p_{a,3}$	$T_{a,3}$	$p_{g,61}$	$T_{g,61}$	dp_{out}	$T_{g,7}$	T_{TM}	N_{TM}	Md_{TM}	P_{TM}
Maßeinheit / Unit of measurem. / Unité de mesure		mbar-d	°C	bar-g	°C	bar-g	°C	mbar-d	°C	°C	rpm	kNm	kW
05.03	12[20]	152	6,8	5,8							7560		4161
05.03	13[10]	152	7,3	5,8							7560		4176
05.03	14[45]	154	8,9	5,8							7565		4161

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: ; Anzahl Starts: 51 ; Anzahl Betriebsstunden: 188 ; TestAbles-THM-Pipe5.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.	
IPAT	Villarpipe 2	H.0200001702	THM 1304 : 12 RV 50.150 : 04	
Versuchs-Nr. Test No. - Essai No.	**Ableser - Reader – Préposé**	**Unterschrift – Signatur**	**Datum – Date**	**Blatt-Nr. – Sheet No. Feuille No.**
	U. Feldhoff		05.03.12	1/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes		DCS	DCS	DCS	DCS	DCS		DCS	DCS	DCS	DCS	DCS	
Lfd. Nr. Ser. No. No. crt.		PT-inlet: temp. Left-01 TI-c 7012.1	PT-inlet: temp. Left-12 TI- 7012.2	PT-inlet: temp. Left-10 TI- 7012.3	PT-inlet: temp. Left-09 TI- 7012.4	PT-inlet: temp. Left-av. TI- 7012		PT-inlet: temp. Right-03 TI- 7011.1	PT-inlet: temp. Right-04 TI- 7011.2	PT-inlet: temp. Right-06 TI- 7011.3	PT-inlet: temp. Right-07 TI- 7011.4	PT-inlet: temp. Right-av. TI- 7011	
Formelzeichen Symbol - Symbole		$T_{g,61}$ 01	$T_{g,61}$ 12	$T_{g,61}$ 10	$T_{g,61}$ 09	$T_{g,61}$ L,av		$T_{g,61}$ 03	$T_{g,61}$ 04	$T_{g,61}$ 06	$T_{g,61}$ 07	$T_{g,61}$ R,av	
Maßeinheit Unit of measurem. Unité de mesure		°C	°C	°C	°C	°C		°C	°C	°C	°C	°C	
05.03	12^{00}	653	583	557	587	594		510	570	673	627	595	
05.03	13^{10}	658	584	563	594	599		518	586	677	629	601	
05.03	14^{45}	655	584	562	594	598		514	588	677	629	600	

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Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: 2011 ; Anzahl Starts: 35 ; Anzahl Betriebsstunden: 109 ; TestAbles-THM-Pipe1.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.	
IPAT	Villarpipe 3	H.020000 1702	THM 1304: 12 RV 50.150: 04	
Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. / Feuille No.
	U. Feldhoff		07.03.12	2/5

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		add	add	add	DCS	DCS	DCS	DCS		DCS	DCS	DCS	DCS
Lfd. Nr. / Ser. No. / No. crt.		Ambient pressure, Thommen	Ambient temperature, VAISALA	Ambient humidity, VAISALA	Fuel flow meter: diff. press. PDI-PDT138	Fuel flow meter: Press. PI-PT138	Fuel flow meter: Temp. TI-TT138	Fuel flow meter: Norm. Flow FI-FT138		Position IGV ZI-21141	Speed gas generator SI-31001	Speed power turbine SI-31011	Position Combustion chamber bypass flaps 21134
Formelzeichen / Symbol - Symbole		p_0	T_0	φ	Δp_f	p_f	T_f	$\dot{V}_f$		Z_{IGV}	N_{GG}	N_{PT}	Z_{MLK} l/r
Maßeinheit / Unit of measurem. / Unité de mesure		mbar	°C	%	mbar	bar-g	°C	$\frac{m_N^3}{h}$		deg	$\frac{1}{min}$	$\frac{1}{min}$	%
07.03	12[25]	992	16	33	57,4	24	11	2195		-17,7	10610	7540	60,15
07.03	14[00]	991	15	28	57,8	24	11,3	2200		-17,7	10644	7539	57,7
07.03	15[45]	991	14	34	55,6	24,1	11,2	2164		-17,7	10600	7540	59,3

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: 2011 ; Anzahl Starts: 35; Anzahl Betriebsstunden: 109; TestAbles-THM-Pipe2.DOC

Abt. – Department / Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 3	H.020000170 2	THM 1304 : 12 RV 50.150 : 04
Versuchs- Nr. / Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date / Blatt-Nr. – Sheet No. / Feuille No.
	U. Feldhoff		07.03.12 / 315

Meßstellen-Nr. / Measuring Pt. No. / No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS			
Lfd. Nr. / Ser. No. / No. crt.		Station flow meter: Differ. press. PDI-	Station flow meter: Press. PI-	Station flow meter: Temp. TI-	Station flow meter: Norm. Flow FI-	Suction header: Press. PI- P40210	Suction header: Temp. TI- T40210	Station recycle valve: Position ZI- Z740280	Discharge header: Press. PI- P40230	Discharge header: Temp. TI- T40230			
Formelzeichen / Symbol - Symbole		$Dp_{St,F}$	$p_{St,F}$	$T_{St,F}$	$V\_{St,F}$	p_{SH}	T_{SH}	$Z_{St,RV}$	p_{DH}	T_{DH}			
Maßeinheit / Unit of measurem. / Unité de mesure		mbar	bar-g	°C	$\frac{m_N^3}{h}$	bar-g	°C	%-open	bar-g	°C			
07.03	12^{25}	129	73,5	33,3		44,3	19,7	0	72,4	62,3			
07.03	14^{00}	155	71,4	35,8		44,5	22,4	0	70,4	62,6			
07.03	15^{45}	110	75,4	36,1		44,3	21,6	0	74,1	66,5			

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: 2011 ; Anzahl Starts: 35 ; Anzahl Betriebsstunden: 109 ; TestAbles-THM-Pipe3.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.	
IPAT	Villarpipe 3	H.020000 1702	THM 130.4 : 12 RV 50.1.50 : 04	
Versuchs- Nr. Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		07.03.12	5/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS		DCS
Lfd. Nr. Ser. No. No. crt.		Compressor flow meter: Differ. press PDI- PDT 40214	Compressor flow meter: Press. PI-	Compressor flow meter: Temp. TI- T40210	Compressor flow meter: Norm. Flow FI- ASC N Flow	Compressor Suction: Press. PI- P40210	Compressor Suction: Temp. TI- T40210	Compressor suction diff. press. PDI-; Suction flow	Compressor isentropic Head YI- ASC head	Compressor Surge Margin YI- ASC Pi xd	Compressor Discharge: Press. PI- P40230	Compressor Discharge: Temp. TI- T40230	Gas cooler: Discharge temp. Compressor recycle valve: Position ZI-
Formelzeichen Symbol - Symbole		$dp_{C,F}$	$p_{C,F}$	$T_{C,F}$	$V\_{C,F}$	$p_{C,1}$	$T_{C,1}$	$dp_{C,suc}$ $V\_{C,1}$	$Y_{s,C}$	x_d	$p_{C,2}$	$T_{C,2}$	$T_{C,GC2}$ $Z_{C,RV}$
Maßeinheit Unit of measurem. Unité de mesure		mbar	bar-g	°C	$\frac{m_N^3}{h}$	bar-g	°C	mbar m3/h	kJ/kg	%	bar-g	°C	°C %-open
07.03	12^{25}	960		19,6	196 h	44,3	19,6		60940	-13	72,5	62,2	
07.03	14^{00}	1090		22,5	205 h	44,5	22,6		57198	-17	70,4	62,7	
07.03	15^{45}	815		21,6	179 h	44,3	21,6		64550	-8	74,2	66,5	

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: 2011 ; Anzahl Starts: 35; Anzahl Betriebsstunden: 109. TestAbles-THM-Pipe4.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 3	H.020000 1702	THM 130.4: 12 RV 50.1.50.: 04

Versuchs- Nr. Test No - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		07.03.12	4/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes		DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS	DCS
Lfd. Nr. Ser. No. No. crt.		GG suction: pressure loss PDI- PD7311.1	GG suction: temp. TI- TI311.1	GG-compressor discharge: press. PI- PT141	GG-compressor discharge: temper. TI-	PT-inlet: pressu. PI-	PT-inlet: temp. TI-	PT-outlet: press. loss PDI-	PT-outlet: temp. TI-	Torque Meter: Tempe TI-	Torque Meter: Speed SI- ST40161A	Torque Meter: Torque GI-	Torque Meter: Power GI- ST40161A
Formelzeichen Symbol - Symbole		Dp_{in}	T_{a1}	$p_{a,3}$	$T_{a,3}$	$p_{g,61}$	$T_{g,61}$	dp_{out}	$T_{g,7}$	T_{TM}	N_{TM}	Md_{TM}	P_{TM}
Maßeinheit Unit of measurem. Unité de mesure		mbar-d	°C	bar-g	°C	bar-g	°C	mbar-d	°C	°C	rpm	kNm	kW
07.03	12[25]	150,7	10	5,8							7558		13-15 MW
07.03	14[00]	150,7	11,4	5,8							7555		13-15 MW
07.03	15[45]	146,4	11,6	5,7							7565		12-14,5 MW

Versuchsablesungen

Test readings . Lectures des essais

Erst-IBN: 2011 ; Anzahl Starts: 35 ; Anzahl Betriebsstunden: 109 ; TestAbles-THM-Pipe5.DOC

Abt. – Department Département	Kennwort - Codename - Mot de référence	Auftrags-Nr. - Job No. - Commission No.	Maschinen-Nr. - Machine No. - Mach. No.
IPAT	Villarpipe 3	H.020000 1702	THM: 1304: 12 RV: 50.150.: 04

Versuchs- Nr. Test No. - Essai No.	Ableser - Reader – Préposé	Unterschrift – Signatur	Datum – Date	Blatt-Nr. – Sheet No. Feuille No.
	U. Feldhoff		07.03.12	1/5

Meßstellen-Nr. Measuring Pt. No. No Point Mes.		DCS	DCS	DCS	DCS	DCS		DCS	DCS	DCS	DCS	DCS	
Lfd. Nr. Ser. No. No. crt.		PT-inlet: temp. Left-01 TI-c TO12.1	PT-inlet: temp. Left-12 TI- TO12.2	PT-inlet: temp. Left-10 TI- TO12.3	PT-inlet: temp. Left-09 TI- TO12.4	PT-inlet: temp. Left-av. TI- TO12		PT-inlet: temp. Right-03 TI- TO11.1	PT-inlet: temp. Right-04 TI- TO11.2	PT-inlet: temp. Right-06 TI- TO11.3	PT-inlet: temp. Right-07 TI- TO11.4	PT-inlet: temp. Right-av. TI- TO11	
Formelzeichen Symbol - Symbole		$T_{g,61}$ 01	$T_{g,61}$ 12	$T_{g,61}$ 10	$T_{g,61}$ 09	$T_{g,61}$ L,av		$T_{g,61}$ 03	$T_{g,61}$ 04	$T_{g,61}$ 06	$T_{g,61}$ 07	$T_{g,61}$ R,av	
Maßeinheit Unit of measurem. Unité de mesure		°C	°C	°C	°C	°C		°C	°C	°C	°C	°C	
07.03	12^{25}	702	577	559	595	605		515	592	652	596	588	
07.03	14^{00}	705	581	563	604	611		520	602	658	605	595	
07.03	15^{45}	703	577	554	594	607		514	594	652	598	589	