

Address: 83 High Street,

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REFF	RIGERATIO	ON & AIR	CONDITIC	INING			Hertio	rasnire,	пртза	.П.		into@oriandoairco	n.co.uk
TIMESHE	ET RE	POR	Т										
CUSTOMER NAME								SITE CONTA	CT (OPERAT	OR RESPONSIBLE FOR	R F-GAS COMI	PLIANCE)	SHEET NUMBER
AMBIENT CONTROL	S LTD							BRUCE GARDENER - SITE ENGINEER					08550
SITE NAME & ADDRES	SS (PLANT OV	VNER F-GAS)					ENGINEER		STEVE ORLANDO	CLIENT ASSET NUMBER		
RELAY BUILDING, 1	L COMMERC	CIAL STREE	T, SHADW	ELL, LOND	ON. E1 7PT			MATE		CHARLIE ORLAND	0		01037
REASON FOR VISIT	COMPILE	REPORT						MANUFACTU	JRER	GEOCLIMA		MODEL	TMA 2A440A EC LLN
JOB NUMBER	J/N: 2756	. O/N: CHF	RIS WARD					SERIAL No.		GEO1302016		YEAR INSTALLED	01/01/2013
PLANT LOCATION	ROOF HVA	AC PLANT A	AREA					REFIGERAN	Т ТҮРЕ	R134A		TOTAL REF. CHARGE	154.5 KG
PLANT REFERENCE	CHILLER N	NO.2 (1037	')					REFRIGERA	NT GWP	1430		IND. REF SYS. CHARGE	SINGLE SYSTEM
LOADS SERVED	BASE BUI	LD COMFO	RT COOLIN	IG LOADS				EQUIV. TON	NES CO2E	220.935		FGAS LEAK CHECK FREQ.	HALF YEARLY
WORK CARRIED OUT:													
ATTENDED SITE TO	ATTENDED SITE TO CARRY OUT DILAPIDATION REPORT. ON ARRIVAL FOUND COMPRESSOR 1 ELECTRICALLY FAILED AND COMPRESSOR 2 MANUALLY LOCK OUT ON THE CONTROLLER.												
CARRIED OUT INVE	STIGATION	NS ON COM	1PRESSOR	1, FOUND	SOFT-START	CARD WITH	A BROKEN	I CAPACITO	R AND BLO	WN FAST BLOW FU	SE. USED C	CARD FROM CHILLER 1 CO	MPRESSOR 1
AS THAT COMPRES	SOR HAS A	FAILED IN	IVERTER CA	ARD.									
CARRIED OUT BEAR	RING CALIB	BRATION, N	IONE HAVE	BEEN CAF	RRIED OUT SI	INCE JULY 2	010 TO BO	TH COMPRE	SSORS; SA	VED TO EEPROM. [OOWNLOAD	ED FAULT LOGS OF BOTH	COMPRESSORS.
RAN COMPRESSORS	S UP BUT L	OW COOLI	NG LOAD S	O UNABLE	TO GET BOT	H COMPRES	SORS TO 1	00%. CHEC	KED REFRI	GERANT CHARGE A	ALL OK.		
LOOKED AT COMPR	ESSOR 2 A	ND TO THE	E REASON '	WHY IT WA	AS LOCKED O	FF ON KEYP	AD. FOUND	SOME BMC	CC CARD O	/ERTEMPERATURE	FAULTS. RA	N UP COMPRESSOR UNAB	LE TO FAULT
OPERATION. LEFT (COMPRESSO	OR AVAILA	BLE; KEEP	UNDER OF	SERVATION.								
RECOMMENDATION	IS:												
* RECOMMEND INS	STALLING E	LECTRICAL	. HEATER W	VITHIN CO	MPRESSOR E	NCLOSURE 7	TO STOP RE	FRIGERAN ⁻	Γ MIGRATIO	ON IN COMPRESSO	RS.		
* KEEP COMPRESSO	OR 2 BMCC	TEMPERAT	TURE TRIPS	S UNDER C	BSERVATION	l.							
* CHEMICAL CLEAN	I CONDENS	ER COIL H	EAT EXCHA	ANGER.									
* PRESSURE RELIE	F VALVES C	OUT OF CEF	RTIFICATIO	N, REPLAC	CEMENTS REC	QUIRED.							
		ENGINEER	RS TIME ON	SITE & TR	1						MATERI	ALS USED	
DAY DATE	START	FINISH	TRAVEL	TOTAL	COMPLETE Y/N	MILEAGE	No. ENG	QUANTITY	DESCRIPT	ION			
MON													
TUES													

		ENGINEERS TIME ON SITE & TRAVEL								MATERIALS USED
DAY	DATE	START	FINISH	TRAVEL	TOTAL	COMPLETE Y/N	MILEAGE	No. ENG	QUANTITY	DESCRIPTION
MON										
TUES										
WED										
THUR										
FRI	06/11/2019			1.5	5	Y	45	1		
SAT										
SUN										

CUSTOMER TO SIGN FOR ENGINEERS TIME ON SITE

ENGINEER SIGNATURE:	M Sallon	CUSTOMERS SIGNATURE:		
F-GAS QUALIFICATION:	C&G 2079 PART 1	CUSTOMER NAME:	BRUCE GARDENER	
SIGNATURE DATE:	06/11/2019	CUSTOMERS JOB TITLE:	SITE ENGINEER	
ADDITIONAL WORKS RECOMM	ENDED / REQUIRED:			

ISO9001:2008. CUSTOMER SATISFACTION:		1 = unsatisfied 2 = below average 3 = met expectation 4 = above average 5 = excellent
CUSTOMED COMMENTS ADOLLT DEDECOMANCE ON THIS 10D / /	CONTRACT.	



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F-GAS & BOTTLE LOG

CUSTOMER NAME	ED NAME					SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SHEET NUMBER						
AMBIENT CON	NTROLS LID										08550	
SITE NAME & ADD	PRESS (PLANT OWNER F-GAS	5)				ENGINEER		STEVE	ORLANDO		CLIENT ASS	SET NUMBER
RELAY BUILD	ING, 1 COMMERCIAL	STREET, SHADW	ELL, LONDON. E:	1 7PT		QUALIFICATION		C&G 2	079 PART 1			01037
MANUFACTURER	MODEL		SERIAL	DAT	TE INSTALLED	PLANT REFERENCE						
GEOCLIMA	TMA 2A440	DA EC LLN	GEO1302016	01	/01/2013	CHILLER NO.2	(1037)					
REFRIG TYPE	TOT. REFRIG CHRG.	INDIVIDUAL SYS. REF.	CHARGE	REFRIG GWP	EQUIV. TONNES CO2e	F-GAS LEAK CHECK	FREQ.	CLG LOA	D SERVED			
R134A	154.5 KG	SINGLE SYSTEM		1430	220.935	HALF YEARLY		BASE I	BUILD COMFORT	COOLING LOAI	OS	
				VIRGII	N REFRIGERAN	IT BOTTLE	LOG (KG)				
DATE RECEIVED	DELIVERY NOTE NUMBER	BOTTLE NUMBER	SUPPLIER	REFRIGERA	NT BOTTLE TYPE	GROSS WEIGHT	TARE W	'EIGHT	NET WEIGHT	NET USED	DATE RETURNED	RETURNS NOTE NUMBER
				F	RECOVERY BOT	TLE LOG (KG)					
DATE RECEIVED	DELIVERY NOTE NUMBER	BOTTLE NUMBER	SUPPLIER	REFRIGERA	NT RECOVERY TYPE	TARE WEIGHT	RECOVER	RED NET	RECOVERED USED	GROSS WEIGHT	DATE RETURNED	WASTE TRANSFER NOTE
				F-GA	S REFRIGERAT	TION LOG F	RECOR	D				
REFRIGERANT	T ADDITIONS											
DATE	ENGINEER	AMOL	JNT ADDED (KG)					REASOI	N FOR ADDITION			
REFRIGERANT	Γ REMOVALS	I		1								
DATE	ENGINEER	ΔΜΟΙΙΙ	NT REMOVED (KG)					REASO	N FOR REMOVAL			
		, 11001	2.25 ()									
REFRIGERANT	LEAK TEST	<u> </u>		1								
DATE	ENGINEER	-	EST RESULT				F.0		ACTIONS REQUIRED			
						ELECTRONIC DE					CHECK	
06/11/2019	STEVE ORLANI		PASS			LLLCTRUNIC KE	TI VIOEKA	AINI LEA	AK DETECTION A	AND KUN LUAD (CIILCN	
FOLLOW UP ACT	IONS											
			TED TO TEST S.						TONG TAKEN			
DATE	ENGINEER	RELA	TED TO TEST ON					ACT	TONS TAKEN			
	ONATE / T	TON CHEST										
	OMATIC LEAK DETECT	10N SYSTEM (IF F	TITED)									
DATE	ENGINEER	Т	EST RESULT					C	COMMENTS			



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LOG - SITE DATA CAPTURE

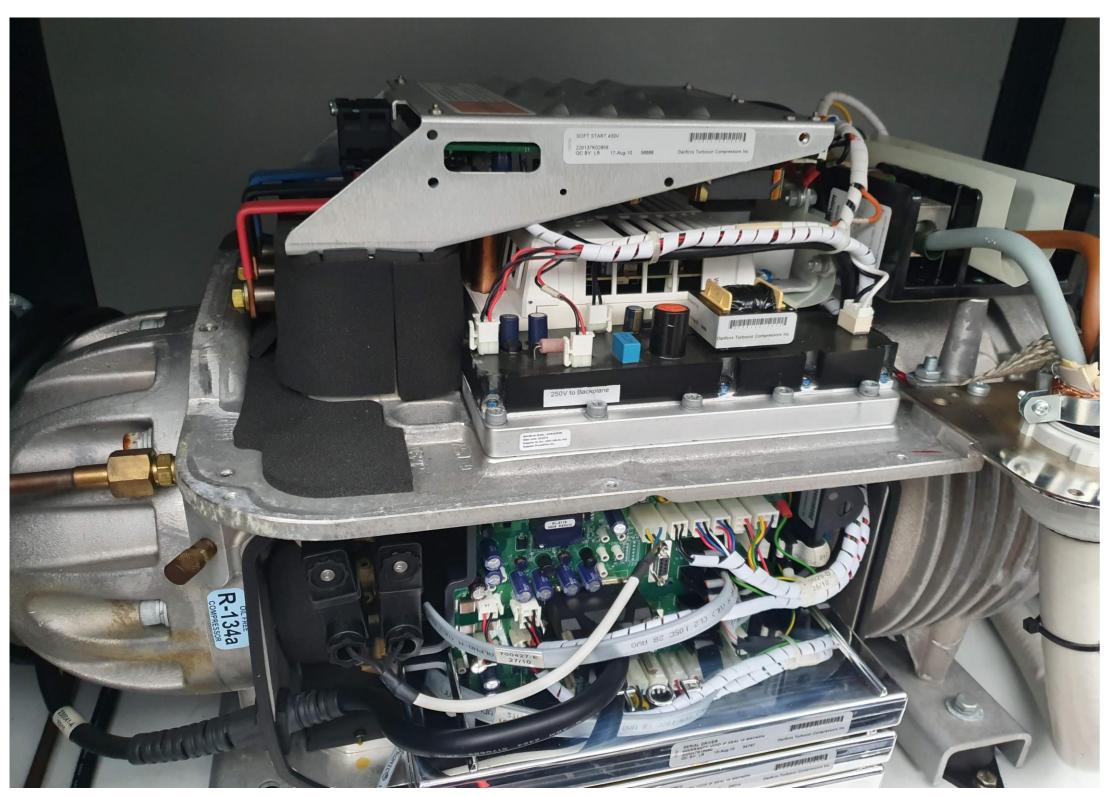
CUSTOMER NAME		SITE CONTACT (OPERA	ATOR RESPONSIBLE FOR F-GAS COMPLIANC	SHEET NUMBER		
AMBIENT CONTRO	OLS LTD	BRUCE GARDENER - SITE ENGINEER				08550
SITE NAME & ADDRI	ESS	ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER	
RELAY BUILDING,	, 1 COMMERCIAL STREET, SHADWELL, LONDON. E1 7PT	F-GAS QUALIFICATION	C&G 2079 PART 1			01037
REASON FOR VISIT	COMPILE REPORT	MANUFACTURER	GEOCLIMA	MODEL	TMA 2A440A EC LLN	
JOB NUMBER	J/N: 2756. O/N: CHRIS WARD	SERIAL No.	GEO1302016	YEAR INSTALLED	01/01/2013	
PLANT LOCATION	ROOF HVAC PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	154.5 KG	
PLANT REFERENCE	CHILLER NO.2 (1037)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOA	DS		

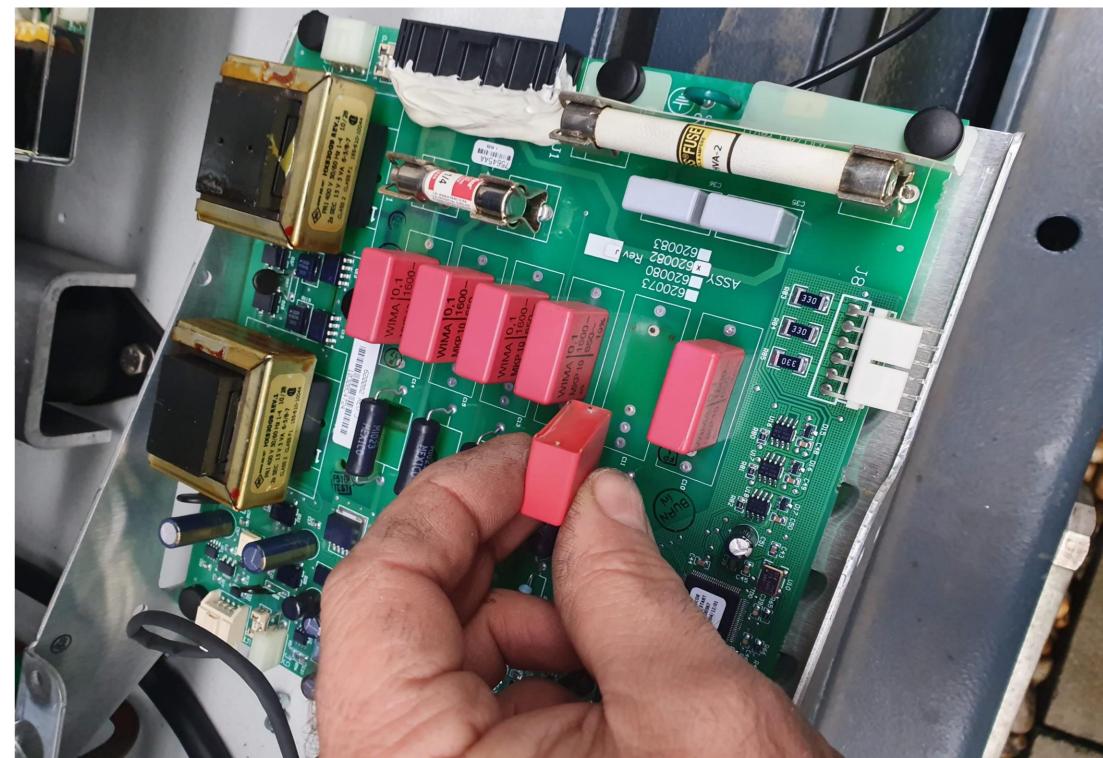
CONTROLLER LOG CAPTURE













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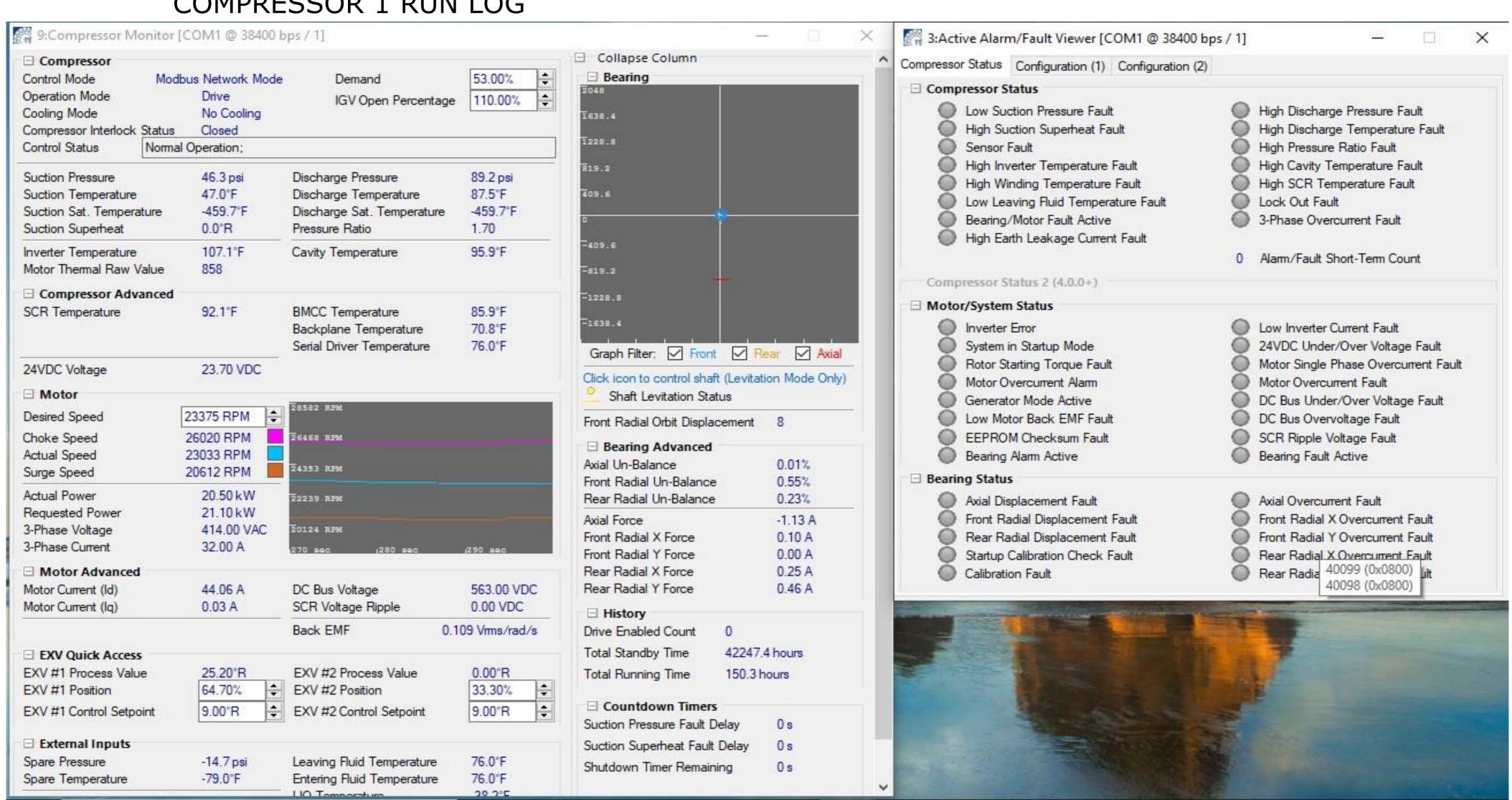
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LOG - SITE DATA CAPTURE

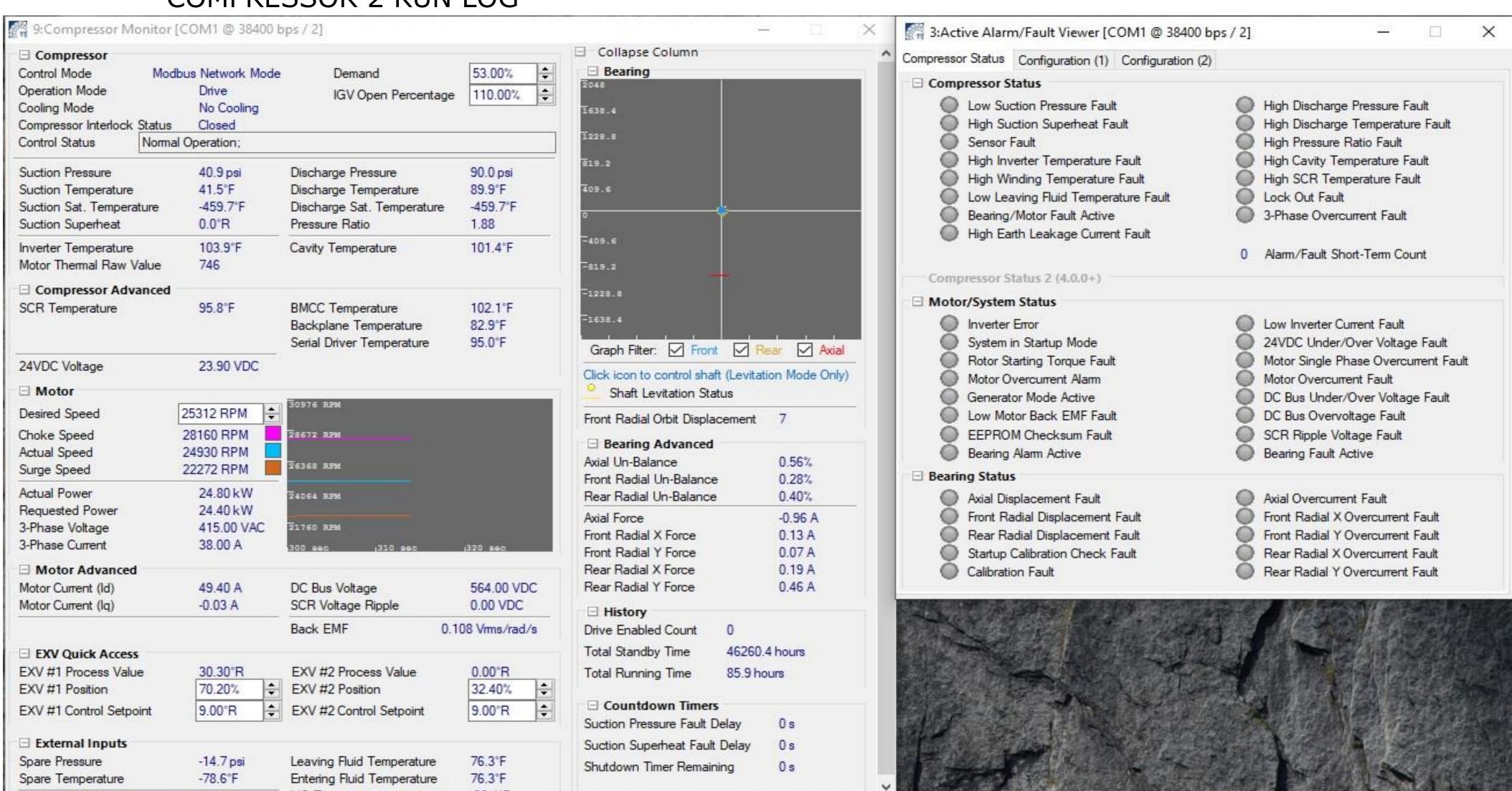
CUSTOMER NAME		SITE CONTACT (OPERA	ATOR RESPONSIBLE FOR F-GAS COMPLIANC	SHEET NUMBER		
AMBIENT CONTRO	OLS LTD	BRUCE GARDENER - SITE ENGINEER				08550
SITE NAME & ADDRE	ESS	ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER	
RELAY BUILDING,	1 COMMERCIAL STREET, SHADWELL, LONDON. E1 7PT	F-GAS QUALIFICATION	C&G 2079 PART 1			01037
REASON FOR VISIT	COMPILE REPORT	MANUFACTURER	GEOCLIMA	MODEL	TMA 2A440A EC LLN	
JOB NUMBER	J/N: 2756. O/N: CHRIS WARD	SERIAL No.	GEO1302016	YEAR INSTALLED	01/01/2013	
PLANT LOCATION	ROOF HVAC PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	154.5 KG	
PLANT REFERENCE	CHILLER NO.2 (1037)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOA	DS		

RUN LOG CAPTURE

COMPRESSOR 1 RUN LOG



COMPRESSOR 2 RUN LOG





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LOG - TURBOCOR COMP.1

CUSTOMER NAME	SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)	SHEET NUMBER
AMBIENT CONTROLS LTD	BRUCE GARDENER - SITE ENGINE	ER 08550
SITE NAME & ADDRESS	ENGINEER STEVE ORLANDO	CLIENT ASSET NUMBER
RELAY BUILDING, 1 COMMERCIAL STREET, SHADWELL, LONDON. E1 7PT	F-GAS QUALIFICATION C&G 2079 PART 1	01037
REASON FOR VISIT COMPILE REPORT	MANUFACTURER GEOCLIMA MODEL	TMA 2A440A EC LLN
JOB NUMBER J/N: 2756. O/N: CHRIS WARD	SERIAL No. GEO1302016 YEAR IN	NSTALLED 01/01/2013
PLANT LOCATION ROOF HVAC PLANT AREA	REFRIGERANT TYPE R134A QUANT	ITY (KG) 154.5 KG
PLANT REFERENCE CHILLER NO.2 (1037)	CLG LOAD SERVED BASE BUILD COMFORT COOLING LOADS	

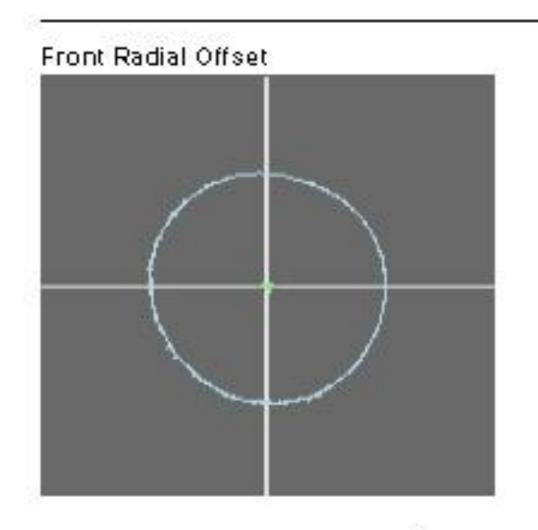
TURBOCOR COMPRESSOR 1 BEARING CALIBRATION - PAGE 1 OF 2.

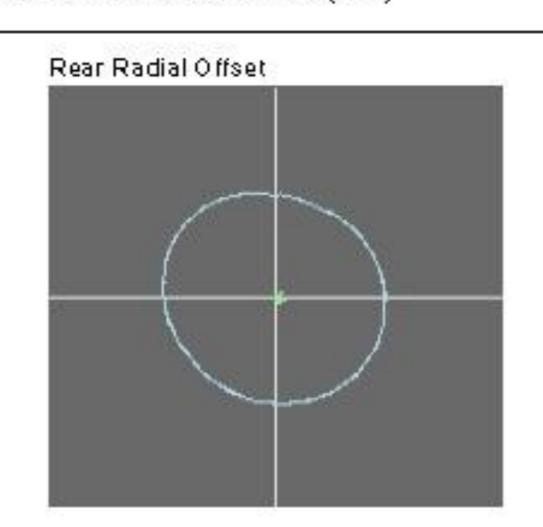


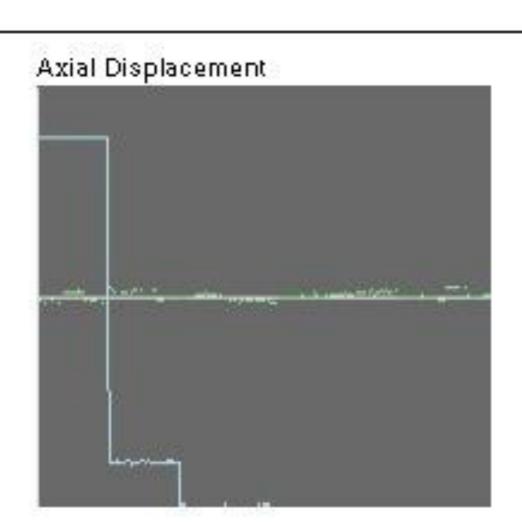
TT Service Monitoring Tools - Calibration Report

DSP Serial Number	57458-42003-0	Housing #	1-1-160
Software Part Number	170429	Configuration Revision	137
BMC Version	2.2.2826	CC Version	2.2.1196
Access Level	OEM		

3.3.1 (Production Release) SMT Version 11/20/2018 04:52:44 PM (ET) SMT Build Time







Stored Calibration (06/12/2019 08:56:06)

	Gain	Hardware Offset	Software Offset	Min	Max
Front Radial X	1.89	0.60 VDC	0.01 VDC	-0.88 VDC	0.87 VDC
Front Radial Y	1.78	-0.52 VDC	-0.02 VDC	-0.94 VDC	0.91 VDC
Rear Radial X	1.99	-0.63 VDC	-0.02 VDC	-0.85 VDC	0.81 VDC
Rear Radial Y	1.95	-0.41 VDC	0.00 VDC	-0.85 VDC	0.84 VDC
<u>Axial</u>	1.29	-0.02 VDC	-0.01 VDC	-1.28 VDC	1.27 VDC

Latest Calibration (06/12/2019 08:54:47)

Faces De diel V	Gain	Hardware Offset	Software Offset	Min	Max
Front Radial X	1.89	0.60 VDC	0.01 VDC	-0.88 VDC	0.87 VDC
Front Radial Y	1.78	-0.52 VDC	-0.02 VDC	-0.94 VDC	0.91 VDC
Rear Radial X	1.99	-0.63 VDC	-0.02 VDC	-0.85 VDC	0.81 VDC
Rear Radial Y	1.95	-0.41 VDC	0.00 VDC	-0.85 VDC	0.84 VDC
Axial	1.29	-0.02 VDC	-0.01 VDC	-1.28 VDC	1.27 VDC

<u>Comments</u>

- 2019-12-06 08.46.25: Calibration Started
- 2019-12-06 08.47.31: Calibration Complete
- 2019-12-06 08.47.31: Front X Force Current Min: -1.87 A, Max: 1.89 A
- 2019-12-06 08.47.31: Front Y Force Current Min: -1.87 A, Max: 1.89 A
- 2019-12-06 08.47.31: Rear X Force Current Min: -1.87 A, Max: 1.89 A
- 2019-12-06 08.47.31: Rear Y Force Current Min: -1.87 A, Max: 1.89 A 2019-12-06 08.47.31: Axial Force Current Min: -2.29 A, Max: 2.26 A

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LOG - TURBOCOR COMP.1

CUSTOMER NAME	SITE CONTACT (OPER	RATOR RESPONSIBLE FOR F-GAS COMPLIAN	SHEET NUMBER		
AMBIENT CONTROLS LTD	BRUCE GARD	BRUCE GARDENER - SITE ENGINEER			08550
SITE NAME & ADDRESS	ENGINEER	STEVE ORLANDO	STEVE ORLANDO		
RELAY BUILDING, 1 COMMERCIAL STREET, SHADWELL, LONDON. E1 7PT	F-GAS QUALIFICATIO	NC&G 2079 PART 1			01037
REASON FOR VISIT COMPILE REPORT	MANUFACTURER	GEOCLIMA	MODEL	TMA 2A440A EC LLN	
JOB NUMBER J/N: 2756. O/N: CHRIS WARD	SERIAL No.	GEO1302016	YEAR INSTALLED	01/01/2013	
PLANT LOCATION ROOF HVAC PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	154.5 KG	
PLANT REFERENCE CHILLER NO.2 (1037)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LO	ADS		

TURBOCOR COMPRESSOR 1 BEARING CALIBRATION - PAGE 2 OF 2.



TT Service Monitoring Tools - Calibration Report

- 2019-12-06 08.47.46: Calibration committed to EEPROM
- 2019-12-06 08.47.51: Validation Start
- 2019-12-06 08.47.51: Validating Latest Calibration values
- 2019-12-06 08.48.06: Validation Complete

Validation Results (2019-12-06 08.47.51)

```
Result
             Test Description
             Axial Gain Range (actual = 1.29, max = 16, min = 1)
Good
             Front Radial X Gain Range (actual = 1.89, max = 16, min = 1)
Good
             Front Radial Y Gain Range (actual = 1.78, max = 16, min = 1)
Good
             Rear Radial X Gain Range (actual = 1.99, max = 16, min = 1)
Good
             Rear Radial Y Gain Range (actual = 1.95, max = 16, min = 1)
Good
Good
             Comparison (Stored vs. Latest): Axial Gain (actual difference = 0%; max = 30%)
             Comparison (Stored vs. Latest): Front Radial X Gain (actual difference = 0%; max = 30%).
Good
Good
             Comparison (Stored vs. Latest): Front Radial Y Gain (actual difference = 0%; max = 30%).
             Comparison (Stored vs. Latest): Rear Radial X Gain (actual difference = 0%; max = 30%).
Good
             Comparison (Stored vs. Latest): Rear Radial Y Gain (actual difference = 0%; max = 30%).
Good
Good
             Axial total offset change(Software change-Hardware change) (actual = 0.00 VDC; max = 0.3 VDC; min = -0.3 VDC)
             Front Radial X total offset change(Software change-Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC)
Good
             Front Radial Y total offset change (Software change-Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC)
Good
Good
             Rear Radial X total offset change (Software change Hardware change) (actual = 0.00 \,\mathrm{VDC}; max = 0.44 \,\mathrm{VDC}; min = -0.44 \,\mathrm{VDC}).
             Rear Radial Y total offset change (Software change Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC).
Good
             Mean Front Radial X Force Current (actual = 0.31 A; max = 1.5 A; min = -1.5 A)
Good
Good
             Mean Front Radial Y Force Current (actual = 0.11 A; max = 1.5 A; min = -1.5 A)
             Mean Front Radial Average Displacement (actual = 7.46; max = 76)
Good
             Peak Front Radial Average Displacement (actual = 14.00; max = 100)
Good
             Mean Rear Radial X Force Current (actual = 0.30 A; max = 1.5 A; min = -1.5 A)
Good
             Mean Rear Radial Y Force Current (actual = 0.41 A; max = 1.5 A; min = -1.5 A)
Good
             Mean Rear Radial Average Displacement (actual = 0.00; max = 75).
Good
             Peak Rear Radial Average Displacement (actual = 0.00; max = 100)
Good
             Mean Axial Displacement Current (actual = -0.84 A; max = 2 A; min = -2 A)
Good
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LOG - TURBOCOR COMP.2

CUSTOMER NAME	SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			SHEET NUMBER	
AMBIENT CONTROLS LTD	BRUCE GARI	DENER - SITE	ENGINEER		08550
SITE NAME & ADDRESS	ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER	
RELAY BUILDING, 1 COMMERCIAL STREET, SHADWELL, LONDON. E1 7PT	F-GAS QUALIFICATIO	ON C&G 2079 PART 1			01037
REASON FOR VISIT COMPILE REPORT	MANUFACTURER	GEOCLIMA	MODEL	TMA 2A440A EC LLN	
JOB NUMBER J/N: 2756. O/N: CHRIS WARD	SERIAL No.	GEO1302016	YEAR INSTALLED	01/01/2013	
PLANT LOCATION ROOF HVAC PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	154.5 KG	
PLANT REFERENCE CHILLER NO.2 (1037)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOA	NDS		

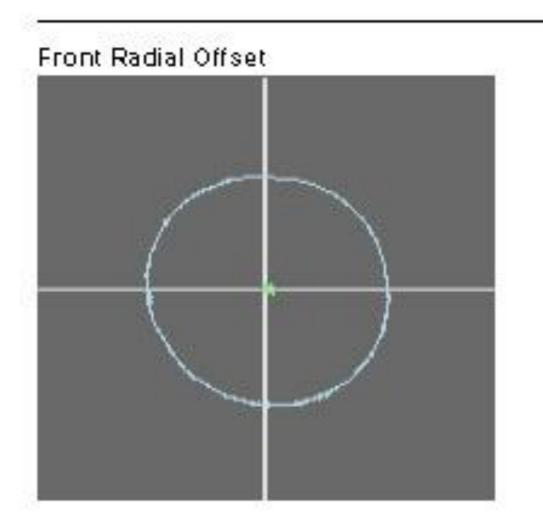
TURBOCOR COMPRESSOR 2 BEARING CALIBRATION - PAGE 1 OF 2.

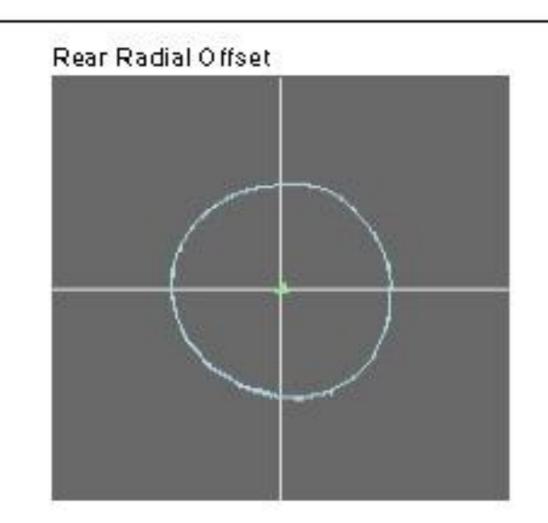


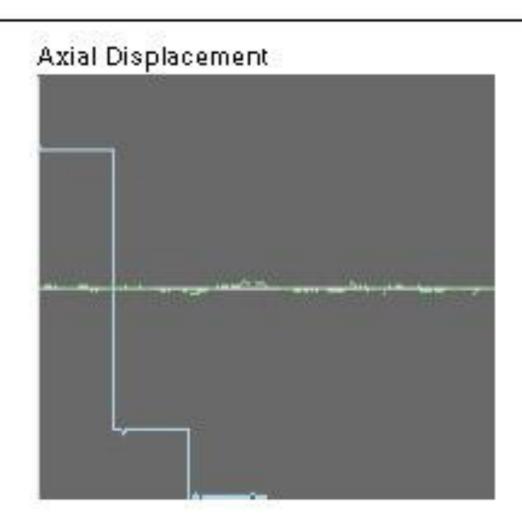
TT Service Monitoring Tools - Calibration Report

DSP Serial Number55143-52755-0Housing #1-1-160Software Part Number170429Configuration Revision137BMC Version2.2.2826CC Version2.2.1196Access LevelOEM

SMT Version 3.3.1 (Production Release)
SMT Build Time 11/20/2018 04:52:44 PM (ET)







Stored Calibration (06/12/2019 09:27:47)

	Gain	Hardware Offset	Software Offset	Min	Max
Front Radial X	1.85	0.38 VDC	0.00 VDC	-0.89 VDC	0.89 VDC
Front Radial Y	1.81	-0.15 VDC	-0.01 VDC	-0.92 VDC	0.90 VDC
Rear Radial X	2.06	0.08 VDC	0.00 VDC	-0.80 VDC	0.80 VDC
Rear Radial Y	1.94	0.02 VDC	-0.01 VDC	-0.86 VDC	0.84 VDC
<u>Axial</u>	1.51	0.43 VDC	0.00 VDC	-1.09 VDC	1.09 VDC

Latest Calibration (06/12/2019 09:26:36)

30000000000000000000000000000000000000	Gain	Hardware Offset	Software Offset	Min	Max
Front Radial X	1.85	0.38 VDC	0.00 VDC	-0.89 VDC	0.89 VDC
Front Radial Y	1.81	-0.15 VDC	-0.01 VDC	-0.92 VDC	0.90 VDC
Rear Radial X	2.06	0.08 VDC	0.00 VDC	-0.80 VDC	0.80 VDC
Rear Radial Y	1.94	0.02 VDC	-0.01 VDC	-0.86 VDC	0.84 VDC
<u>Axial</u>	1.51	0.43 VDC	0.00 VDC	-1.09 VDC	1.09 VDC

<u>Comments</u>

- 2019-12-06 09.10.03: Calibration Started
- 2019-12-06 09.11.09: Calibration Complete
- 2019-12-06 09.11.09: Front X Force Current Min: -1.87 A, Max: 1.89 A
- 2019-12-06 09.11.09: Front Y Force Current Min: -1.87 A, Max: 1.89 A
 2019-12-06 09.11.09: Front Y Force Current Min: -1.87 A, Max: 1.89 A
- 2019-12-06 09.11.09: Rear X Force Current Min: -1.87 A, Max: 1.89 A
 2019-12-06 09.11.09: Rear Y Force Current Min: -1.87 A, Max: 1.89 A
- 2019-12-06 09.11.09: Axial Force Current Min: -2.27 A, Max: 2.25 A

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LOG - TURBOCOR COMP.2

CUSTOMER NAME	SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)	SHEET NUMBER
AMBIENT CONTROLS LTD	BRUCE GARDENER - SITE ENGINE	ER 08550
SITE NAME & ADDRESS	ENGINEER STEVE ORLANDO	CLIENT ASSET NUMBER
RELAY BUILDING, 1 COMMERCIAL STREET, SHADWELL, LONDON. E1 7PT	F-GAS QUALIFICATION C&G 2079 PART 1	01037
REASON FOR VISIT COMPILE REPORT	MANUFACTURER GEOCLIMA MODEL	TMA 2A440A EC LLN
JOB NUMBER J/N: 2756. O/N: CHRIS WARD	SERIAL No. GEO1302016 YEAR IN	NSTALLED 01/01/2013
PLANT LOCATION ROOF HVAC PLANT AREA	REFRIGERANT TYPE R134A QUANT	ITY (KG) 154.5 KG
PLANT REFERENCE CHILLER NO.2 (1037)	CLG LOAD SERVED BASE BUILD COMFORT COOLING LOADS	

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TT Service Monitoring Tools - Calibration Report

- 2019-12-06 09.11.17: Calibration committed to EEPROM
- 2019-12-06 09.11.20: Validation Start
- 2019-12-06 09.11.20: Validating Latest Calibration values 2019-12-06 09.11.35: Validation Complete

Validation Results (2019-12-06 09.11.20)

Result	Test Description
Good	Axial Gain Range (actual = 1.51, max = 16, min = 1)
Good	Front Radial X Gain Range (actual = 1.85, max = 16, min = 1)
Good	Front Radial Y Gain Range (actual = 1.81, max = 16, min = 1)
Good	Rear Radial X Gain Range (actual = 2.06, max = 16, min = 1)
Good	Rear Radial Y Gain Range (actual = 1.94, max = 16, min = 1)
Good	Comparison (Stored vs. Latest): Axial Gain (actual difference = 0%; max = 30%)
Good	Comparison (Stored vs. Latest): Front Radial X Gain (actual difference = 0%; max = 30%)
Good	Comparison (Stored vs. Latest): Front Radial Y Gain (actual difference = 0%; max = 30%)
Good	Comparison (Stored vs. Latest): Rear Radial X Gain (actual difference = 0%; max = 30%)
Good	Comparison (Stored vs. Latest): Rear Radial Y Gain (actual difference = 0%; max = 30%)
Good	Axial total offset change(Software change-Hardware change) (actual = 0.00 VDC; max = 0.3 VDC; min = -0.3 VDC)
Good	Front Radial X total offset change(Software change-Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC)
Good	Front Radial Y total offset change (Software change-Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC)
Good	Rear Radial X total offset change (Software change-Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC)
Good	Rear Radial Y total offset change (Software change Hardware change) (actual = 0.00 VDC; max = 0.44 VDC; min = -0.44 VDC)
Good	Mean Front Radial X Force Current (actual = 0.20 A; max = 1.5 A; min = -1.5 A)
Good	Mean Front Radial Y Force Current (actual = 0.10 A; max = 1.5 A; min = -1.5 A)
Good	Mean Front Radial Average Displacement (actual = 5.33; max = 75)
Good	Peak Front Radial Average Displacement (actual = 17.00; max = 100)
Good	Mean Rear Radial X Force Current (actual = 0.21 A; max = 1.5 A; min = -1.5 A)
Good	Mean Rear Radial Y Force Current (actual = 0.72 A; max = 1.5 A; min = -1.5 A)
Good	Mean Rear Radial Average Displacement (actual = 0.00; max = 76)
Good	Peak Rear Radial Average Displacement (actual = 0.00; max = 100)
Good	Mean Axial Displacement Current (actual = -0.96 A; max = 2 A; min = -2 A)

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