



Address: 83 High Street
Hemel Hempstead
Hertfordshire, HP1 3AH.

Tele: +44 (0) 3300884720
Fax: +44 (0) 3300884721
info@orlandoaircon.co.uk

TIMESHEET REPORT

CUSTOMER NAME		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			SHEET NUMBER
COFELY GDF SVEZ		PAUL HOWARD - CONT. SURVEYOR			04069
SITE NAME & ADDRESS (PLANT OWNER F-GAS)		ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER
		MATE			
BROADGATE ESTATES, 1, 4, 7 TRITON SQUARE, LONDON. NW1 3HF		00036			
REASON FOR VISIT	PREVENTATIVE PLANNED MAINTENANCE - MAJOR	MANUFACTURER	McQUAY	MODEL	WMC 250D.2 XE ST
JOB NUMBER	PPM05_11112014: CUST ORDER: 4700251632	SERIAL No.	OV12-09202/20/1	YEAR INSTALLED	23/02/2013
PLANT LOCATION	BASEMENT PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	300 KG
PLANT REFERENCE	McQUAY (NEW TURBOCOR) CHILLER No4	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOAD		

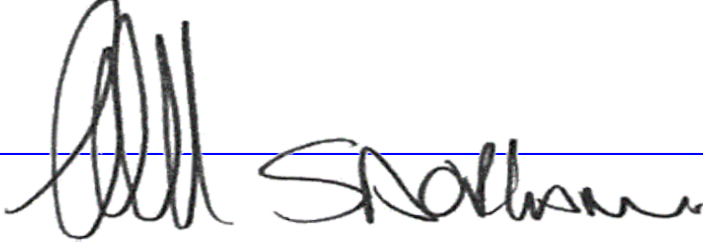
WORK CARRIED OUT:

ATTENDED SITE AND CARRIED OUT PPM MAINTENANCE AS DETAILED ABOVE.

REFER TO MAINTENANCE SCHEDULES FOR FAULTS FOUND.

ENGINEERS TIME ON SITE & TRAVEL									MATERIALS USED	
DAY	DATE	START	FINISH	TRAVEL	TOTAL	COMPLETE Y/N	MILEAGE	No. ENG	QUANTITY	DESCRIPTION
MON										
TUES										
WED	12/11/2014	08:30	13:30	1.5	6.5	Y	45	1		
THUR										
FRI										
SAT										
SUN										

CUSTOMER TO SIGN FOR ENGINEERS TIME ON SITE

ENGINEER SIGNATURE: 

CUSTOMERS SIGNATURE: _____

F-GAS QUALIFICATION: C&G 2079 PART 1

CUSTOMER NAME: PAUL HOWARD

SIGNATURE DATE: 12/11/2014

CUSTOMERS JOB TITLE: CONT. SURVEYOR

ADDITIONAL WORKS RECOMMENDED / REQUIRED:

* COMPRESSOR 2 IS SUFFERING FROM BEARING CALIBRATION AND SEIZING FAULTS. MANUFACTURE WARRANTY INSPECTION REQUIRED.

* PRESSURE RELIEF VALVES MISSING BURSTING DISKS AS PER BS EN 378; REFRIGERANT CHARGE OF 300 KG. VENT LINE UNDERSIZED.

* NO MECHANICAL HIGH PRESSURE SAFETY SWITCH. DOES NOT CONFORM TO BS EN 378. INFORM INSURERS OF SHORTFALL.

* TURBOCOR COMPRESSOR SUFFERS FROM INVERTER OVER TEMPERATURE TRIPS DUE TO POOR REFRIGERANT COOLING FEED. INVESTIGATION REQ.

* CONDENSER FLOW SWITCH OPERATES CORRECTLY, IT ACTUALLY HAS NO EFFECT ON THE RUNNING / ALARMING OF THE CHILLER, INVESTIGATION REQ.

* HIGH COMPRESSOR STARTS. REVIEW OF CONTROL STRATAGY REQUIRED.

ISO9001:2008. CUSTOMER SATISFACTION: 1= UNSATISFIED 2= BELOW AVERAGE 3= MET EXPECTATION 4= ABOVE AVERAGE 5= EXCELLENT

CUSTOMER COMMENTS ABOUT PERFORMANCE ON THIS JOB / CONTRACT:



Address: 83 High Street
Hemel Hempstead
Hertfordshire, HP1 3AH.

Tele: +44 (0) 3300884720
Fax: +44 (0) 3300884721
info@orlandoaircon.co.uk

F-GAS & BOTTLE LOG

CUSTOMER NAME				SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			SHEET NUMBER	
COFELY GDF SVEZ				PAUL HOWARD - CONT. SURVEYOR			04069	
SITE NAME & ADDRESS (PLANT OWNER F-GAS) BROADGATE ESTATES, 1, 4, 7 TRITON SQUARE, LONDON. NW1 3HF				ENGINEER		STEVE ORLANDO		CLIENT ASSET NUMBER 00036
				QUALIFICATION		C&G 2079 PART 1		
MANUFACTURER		MODEL		SERIAL		REFRIG TYPE	REFRIG QUANTITY	PLANT REFERENCE
McQUAY		WMC 250D.2 XE ST		OV12-09202/20/1		R134A	300 KG	McQUAY (NEW TURBOCOR) CHILLER No4

VIRGIN REFRIGERANT BOTTLE LOG (KG)

DATE RECEIVED	DELIVERY NOTE NUMBER	BOTTLE NUMBER	SUPPLIER	REFRIGERANT	BOTTLE TYPE	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET USED	DATE RETURNED	RETURNS NOTE NUMBER

RECOVERY BOTTLE LOG (KG)

DATE RECEIVED	DELIVERY NOTE NUMBER	BOTTLE NUMBER	SUPPLIER	REFRIGERANT	RECOVERY TYPE	TARE WEIGHT	RECOVERED NET	RECOVERED USED	GROSS WEIGHT	DATE RETURNED	WASTE TRANSFER NOTE

F-GAS REFRIGERATION LOG RECORD

REFRIGERANT ADDITIONS

DATE	ENGINEER	AMOUNT ADDED (KG)	REASON FOR ADDITION

REFRIGERANT REMOVALS

DATE	ENGINEER	AMOUNT REMOVED (KG)	REASON FOR REMOVAL

REFRIGERANT LEAK TEST

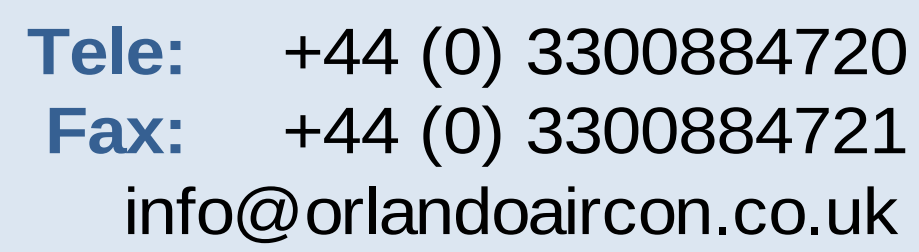
DATE	ENGINEER	TEST RESULT	FOLLOW UP ACTIONS REQUIRED
12/11/2014	STEVE ORLANDO	FAIL	PPM - ELECTRONIC LEAK PASS. FAILED ON PRV & H.P SWITCH F-GAS SHORTFALLS

FOLLOW UP ACTIONS

DATE	ENGINEER	RELATED TO TEST ON	ACTIONS TAKEN
12/11/2014	STEVE ORLANDO	05/12/2013	BS EN 378 STANDARD REQUIRES H.P SWITCH & RELIEF IND. ON PRV'S. QUOTATION RE-SUBMITTED

TESTING AUTOMATIC LEAK DETECTION SYSTEM (IF FITTED)

DATE	ENGINEER	TEST RESULT	COMMENTS
12/11/2014	STEVE ORLANDO	PASS	PPM - FIXED LEAK DETECTORS CORRECTLY ALARMED DURING TESTING



12/11/2014

www.orlandoaircon.co.uk



Address: 83 High Street
Hemel Hempstead
Hertfordshire, HP1 3AH.

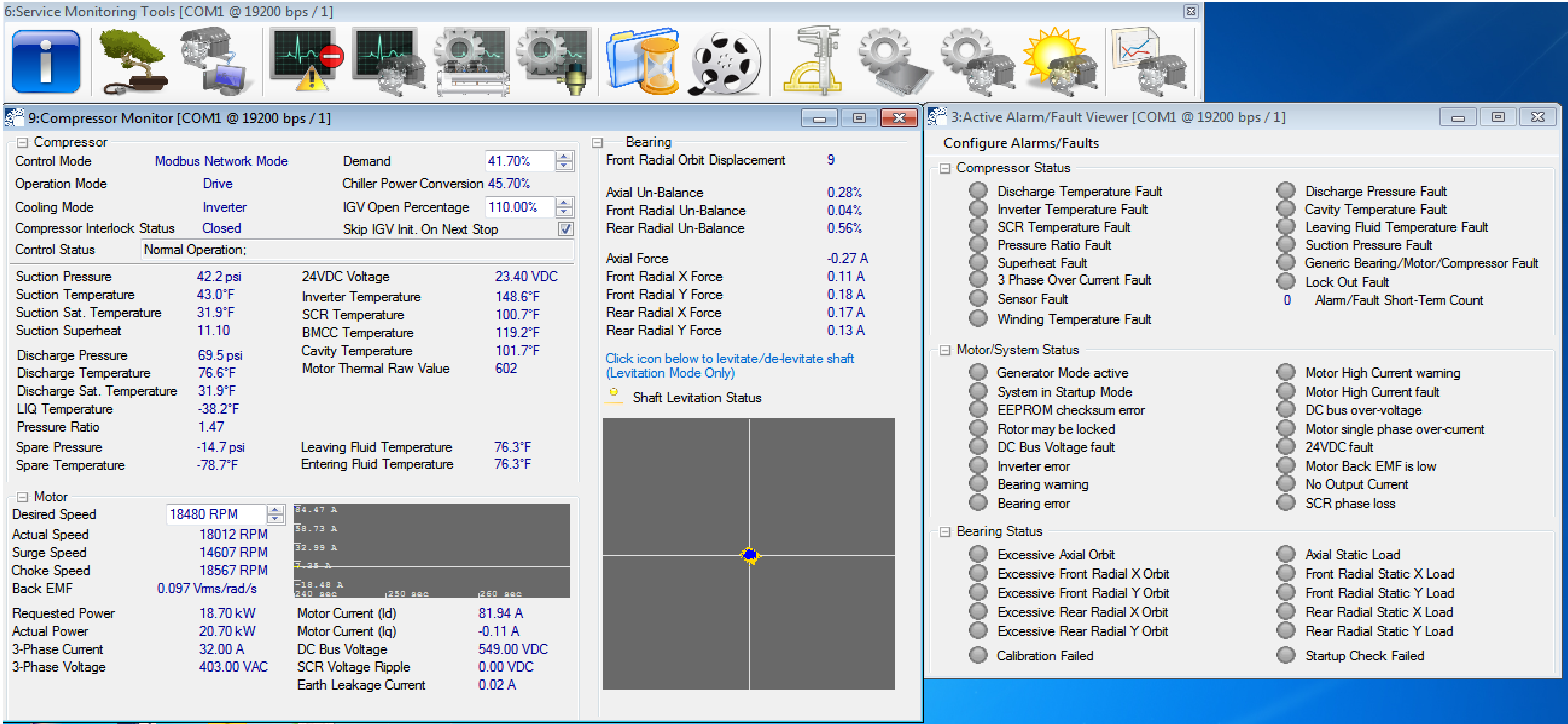
Tele: +44 (0) 3300884720
Fax: +44 (0) 3300884721
info@orlandoaircon.co.uk

PPM REPORT - CHILLER LOGS

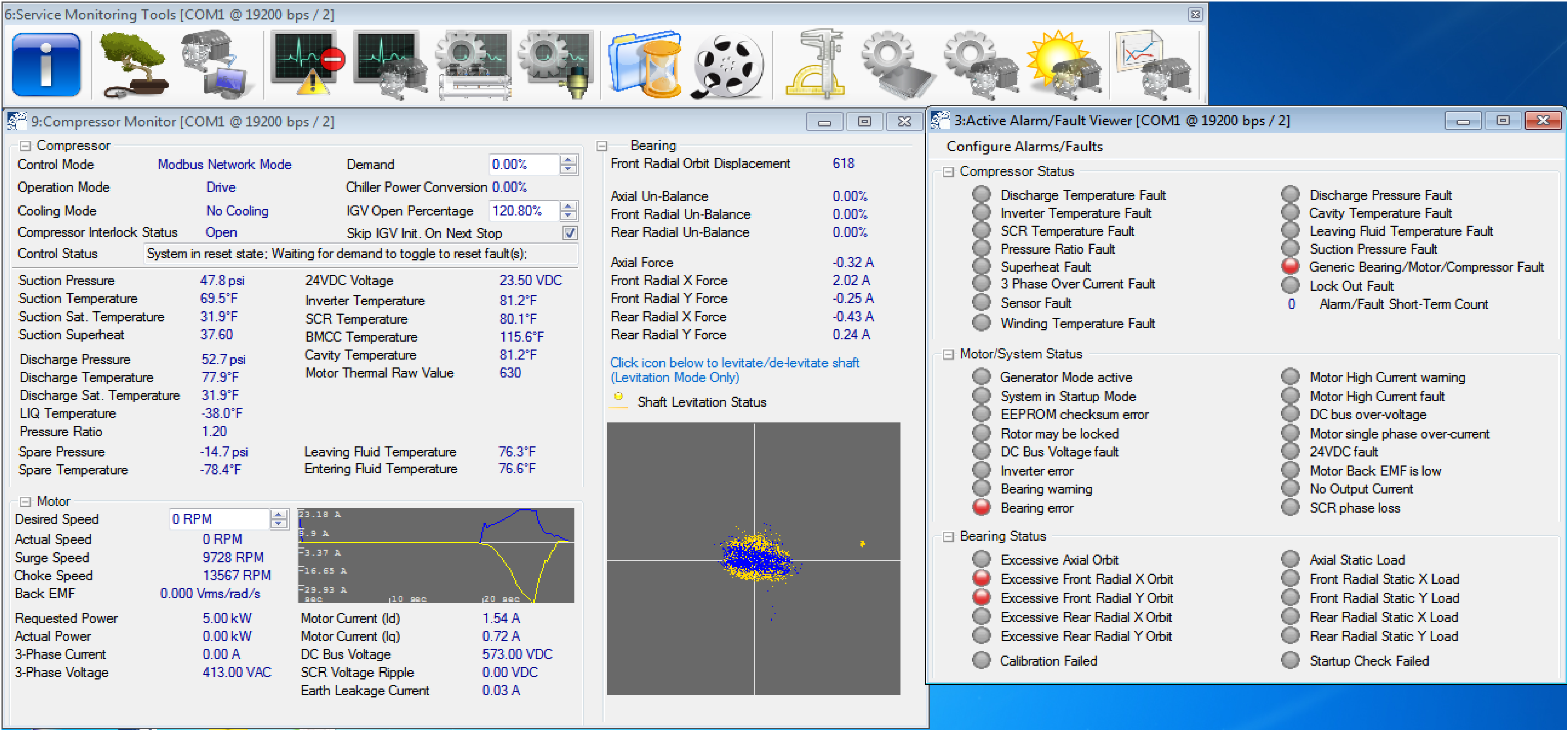
CUSTOMER NAME		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)		SHEET NUMBER	
COFELY GDF SVEZ		PAUL HOWARD - CONT. SURVEYOR		04069	
SITE NAME & ADDRESS		ENGINEER	STEVE ORLANDO	CLIENT ASSET NUMBER	
BROADGATE ESTATES, 1, 4, 7 TRITON SQUARE, LONDON. NW1 3HF		F-GAS QUALIFICATION	C&G 2079 PART 1	00036	
REASON FOR VISIT	PREVENTATIVE PLANNED MAINTENANCE - MAJOR	MANUFACTURER	McQUAY	MODEL	WMC 250D.2 XE ST
JOB NUMBER	PPM05_11112014: CUST ORDER: 4700251632	SERIAL No.	OV12-09202/20/1	YEAR INSTALLED	23/02/2013
PLANT LOCATION	BASEMENT PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	300 KG
PLANT REFERENCE	McQUAY (NEW TURBOCOR) CHILLER No4	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOAD		

TURBOCOR COMPRESSOR LOG CAPTURE

SYSTEM 1 COMPRESSOR 1



SYSTEM 1 COMPRESSOR 2





Address: 83 High Street
Hemel Hempstead
Hertfordshire, HP1 3AH.

Tele: +44 (0) 3300884720
Fax: +44 (0) 3300884721
info@orlandoaircon.co.uk

PPM REPORT - CHILLER FAULT LOGS

CUSTOMER NAME		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			SHEET NUMBER
COFELY GDF SVEZ		PAUL HOWARD - CONT. SURVEYOR			04069
SITE NAME & ADDRESS		ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER
BROADGATE ESTATES, 1, 4, 7 TRITON SQUARE, LONDON. NW1 3HF		F-GAS QUALIFICATION	C&G 2079 PART 1		
REASON FOR VISIT	PREVENTATIVE PLANNED MAINTENANCE - MAJOR	MANUFACTURER	McQUAY	MODEL	WMC 250D.2 XE ST
JOB NUMBER	PPM05_11112014: CUST ORDER: 4700251632	SERIAL No.	OV12-09202/20/1	YEAR INSTALLED	23/02/2013
PLANT LOCATION	BASEMENT PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	300 KG
PLANT REFERENCE	McQUAY (NEW TURBOCOR) CHILLER No4	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOAD		

TURBOCOR COMPRESSOR FAULT LOG CAPTURE

2:Logged Event and Fault Viewer [No Connection]

FileDataHistoryHelp

Events: 0/0

Retrieve

Faults: 25/25

Retrieve

Fault #138 : 01/10/2014 10:36:55

Fault #136 : 01/10/2014 09:46:08

Fault #134 : 06/09/2014 10:37:06

Fault #132 : 18/08/2014 16:26:13

Fault #130 : 11/07/2014 14:56:16

Fault #128 : 02/07/2014 06:23:36

Fault #126 : 20/06/2014 14:53:43

Fault #124 : 11/06/2014 09:20:57

Fault #122 : 05/06/2014 07:43:23

Fault #120 : 02/06/2014 10:05:31

Fault #118 : 23/05/2014 14:40:19

Fault #116 : 07/05/2014 13:54:14

Fault #114 : 07/05/2014 06:12:27

Fault #137 : 01/10/2014 10:27:20

Fault #135 : 17/09/2014 06:34:55

Fault #133 : 06/09/2014 10:20:57

Fault #131 : 01/08/2014 13:46:42

Fault #129 : 08/07/2014 12:14:08

Fault #127 : 20/06/2014 15:16:27

Fault #125 : 17/06/2014 12:27:38

Fault #123 : 06/06/2014 17:05:29

Fault #121 : 03/06/2014 14:47:30

Fault #119 : 28/05/2014 08:04:11

Fault #117 : 07/05/2014 14:02:07

Fault #115 : 07/05/2014 13:44:23

Fault #138 (01/10/2014 10:36:55)	
Fault & Alarm Information	
Faults (critical)	Inverter Temperature Fault;
Motor/System Faults	No motor faults
Bearing Faults	No bearing faults
Alarms (non-critical)	Inverter Temperature Alarm;
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

Fault #137 (01/10/2014 10:27:20)	
Fault & Alarm Information	
Faults (critical)	Inverter Temperature Fault;
Motor/System Faults	No motor faults
Bearing Faults	No bearing faults
Alarms (non-critical)	Inverter Temperature Alarm;
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

Fault #136 (01/10/2014 09:46:08)	
Fault & Alarm Information	
Faults (critical)	Inverter Temperature Fault;
Motor/System Faults	No motor faults
Bearing Faults	No bearing faults
Alarms (non-critical)	Inverter Temperature Alarm;
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

Fault #135 (17/09/2014 06:34:55)	
Fault & Alarm Information	
Faults (critical)	Generic Bearing/Motor/Compressor Fault;
Motor/System Faults	Rotor may be locked;
Bearing Faults	No bearing faults
Alarms (non-critical)	No alarms
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

Fault #134 (06/09/2014 10:37:06)	
Fault & Alarm Information	
Faults (critical)	Generic Bearing/Motor/Compressor Fault;
Motor/System Faults	EEPROM checksum error;
Bearing Faults	No bearing faults
Alarms (non-critical)	No alarms
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

Fault #133 (06/09/2014 10:20:57)	
Fault & Alarm Information	
Faults (critical)	Generic Bearing/Motor/Compressor Fault;
Motor/System Faults	No motor faults
Bearing Faults	No bearing faults
Alarms (non-critical)	No alarms
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

Fault #130 (11/07/2014 14:56:16)	
Fault & Alarm Information	
Faults (critical)	Generic Bearing/Motor/Compressor Fault;
Motor/System Faults	Rotor may be locked;
Bearing Faults	No bearing faults
Alarms (non-critical)	No alarms
Motor/System Alarms	No motor faults
Bearing Alarms	No bearing faults

www.orlandoaircon.co.uk