

TIMESHEET REPORT

CUSTOMER NAME SHANKLAND HVAC LTD		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SITE ENGINEER - HEMLOW		SHEET NUMBER 08496
SITE NAME & ADDRESS (PLANT OWNER F-GAS) 60 GRESHAM STREET, LONDON. EC2V 7BB		ENGINEER STEVE ORLANDO	CLIENT ASSET NUMBER 01011	
REASON FOR VISIT QUOTED REPAIRS	MATE CHARLIE ORLANDO	MANUFACTURER YORK	MODEL	YCIV0920PA50VABB
JOB NUMBER J/N:2502. O/N:PO00036	SERIAL No. RBTM022090	YEAR INSTALLED	04/03/2008	
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM	REFRIGERANT TYPE R134A	TOTAL REF. CHARGE	194.0 KG	
PLANT REFERENCE YORK CHILLER (01011)	REFRIGERANT GWP 1430	IND. REF SYS. CHARGE	105 + 89 KG	
LOADS SERVED BASE BUILD COMFORT COOLING LOADS	EQUIV. TONNES CO2E 277.42	FGAS LEAK CHECK FREQ.	HALF YEARLY	

WORK CARRIED OUT:

ATTENDED SITE TO REPLACE YORK SCREW COMPRESSOR 2 MOTOR TERMINAL BOLTS. STRIPPED OUT SOUND ATTENUATION AND BRACKETING TO ALLOW FOR THE COMPRESSOR TO BE MECHANICALLY HANDLED OUTSIDE THE CHILLER HOUSING. DISCONNECTED COMPRESSOR SERVICES. MOVED COMPRESSOR OUT TO GAIN ACCESS TO REAR MOTOR HOUSING COVER PLATE. STRIPPED DOWN REAR HOUSING AND REMOVED 3 OFF MOTOR TERMINAL BOLTS, 2 HAD FAILED DUE TO OVER-HEATING. PARTIALLY REMOVED WINDING TO ACCESS TAILS. CUT BACK AND CRIMPED NEW MOTOR TERMINAL BOLTS. CLEANED SEALING FACES AND RE-INSTALLED MOTOR TERMINAL BOLTS WITH NEW SEALS. RE-ASSEMBLED REAR COMPRESSOR HOUSING. PUT COMPRESSOR BACK INTO CHILLER ENCLOSURE AND RECONNECTED SERVICES. CUT BACK BURNT WIRING IN TERMINAL BOX. DUE TO SUCH A LOT OF BURNT WIRING TO CUT AWAY I HAD TO SWAP T1 & T3 WIRING BOTH AT THE MOTOR AND THE INVERTER END TO ALLOW RECONNECTION. REPLACED LIQUID LINE DRIERS.

PRESSURE TESTED OVER 2 DAYS ALL OK. STRIPPED OUT OIL LOG SOUND ATTENUATION FOAM AND BAGGED UP FOR DISPOSAL. CARRIED OUT FULL DEGREASING OF UNIT TO REMOVE OIL RESIDUE THAT WAS EVERYWHERE. PUT SYSTEM ON EVACUATION OVER 2 DAYS. RETURNED TO FIND VACUUM AT 0.6 MBAR. CARRIED OUT VACUUM RISE TEST OVER 2 HOURS ALL OK. CHARGED SYSTEM WITH VIRGIN REFRIGERANT FROM SITE STOCK.


TEST RUN CHILLER AT FULL LOAD, LOGGED. TRANSISTOR PACK TRIPPED ON SYS2 GATE DRIVER FAULT INTERMITTENTLY. INSPECTED AND TESTED OK. SUSPECT DRY JOINT ON PCB.

RECOMMEND SWAPPING INVERTER PACKS BETWEEN BOTH SYSTEMS AND SEE IF THE FAULT MOVES. IF IT DOES NEW INVERTER PACK REQUIRED.

LEFT SYSTEM 1 RUNNING & AVAILABLE.

ENGINEERS TIME ON SITE & TRAVEL									MATERIALS USED	
DAY	DATE	START	FINISH	TRAVEL	TOTAL	COMPLETE Y/N	MILEAGE	No. ENG	QUANTITY	DESCRIPTION
MON	30/09/2019			3	12	N	90	1	1	YORK MOTOR KIT
TUES	01/10/2019			3	12	N	90	1	4	OFN NITROGEN
WED	02/10/2019			3	12	N	90	1	1	DEGREASING AGENT
THUR									1	RAG CONSUMABLES
FRI	04/10/2019			3	12	Y	90	1	1	ELECTRICAL CONSUMABLES
SAT										
SUN										

CUSTOMER TO SIGN FOR ENGINEERS TIME ON SITE

ENGINEER SIGNATURE: 

CUSTOMERS SIGNATURE: _____

F-GAS QUALIFICATION: C&G 2079 PART 1

CUSTOMER NAME: SITE ENGINEER

SIGNATURE DATE: 04/10/2019

CUSTOMERS JOB TITLE: HEMLOW

ADDITIONAL WORKS RECOMMENDED / REQUIRED:

* SYSTEM 2 - INVERTER PACK GATE DRIVER ISSUE.

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:

SYSTEM TEST CERTIFICATES

CUSTOMER NAME SHANKLAND HVAC LTD		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SITE ENGINEER - HEMLOW			SHEET NUMBER 08496
SITE NAME & ADDRESS 60 GRESHAM STREET, LONDON. EC2V 7BB		ENGINEER STEVE ORLANDO	F-GAS QUALIFICATION C&G 2079 PART 1		CLIENT ASSET NUMBER 01011
REASON FOR VISIT QUOTED REPAIRS	MANUFACTURER YORK	MODEL	YCIV0920PA50VABB		
JOB NUMBER J/N:2502. O/N:PO00036	SERIAL No. RBTM022090	YEAR INSTALLED	04/03/2008		
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM	REFRIGERANT TYPE R134A	QUANTITY (KG)	194.0 KG		
PLANT REFERENCE YORK CHILLER (01011)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOADS			

STRENGTH TEST CERTIFICATE

START OF STRENGTH TEST

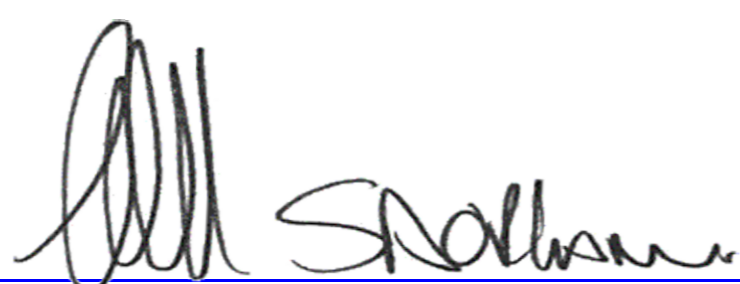
DATE _____ TIME _____ PRESSURE _____ MOP _____

THE ABOVE SYSTEM / COMPONENT HAD A WITNESSED OFN NITROGEN STRENGTH TEST APPLIED AT 1.5 TIMES MOP (MAXIMUM OPERATING PRESSURE), MAINTAINED FOR 30 SECONDS.

INSTRUMENT USED: ITE HIGH SIDE GAUGE. CALIBRATED: 16/01/2019.

INSTRUMENT SERIAL: ORAC-147. CERTIFICATE No. CM254079. NEXT DUE 16/01/2020.

ENGINEERS SIGNATURE _____



CUSTOMERS SIGNATURE _____

F-GAS QUALIFICATION _____

C&G 2079 PART 1

PRINT NAME _____

SITE ENGINEER

SIGNATURE DATE _____

04/10/2019

CUSTOMERS JOB TITLE _____

HEMLOW

PRESSURE TEST CERTIFICATE

START OF PRESSURE TEST

DATE 30/09/2019 TIME 16:00 PRESSURE 10.2 BarG AMBIENT 22.9 Deg C

END OF PRESSURE TEST

DATE 02/10/2019 TIME 15:00 PRESSURE 10.1 BarG AMBIENT 20.5 Deg C

TEMPERATURE COMPENSATED NITROGEN PRESSURE FIGURE

CALCULATED CORRECTED END PRESSURE USING START PRESSURE AND START AMBIENT TEMPERATURE RELATIVE WITH FINISH AMBIENT TEMP.

10.1 BarG

THE ABOVE SYSTEM HAD A WITNESSED OFN NITROGEN PRESSURE TEST APPLIED, WHICH WAS MAINTAINED FOR THE PERIOD STATED ABOVE AND HAS BEEN PROVED TO REMAIN LEAK TIGHT

INSTRUMENT USED: CPS PROSET HIGH SIDE GAUGE. CALIBRATED: 17/01/2019.

INSTRUMENT SERIAL: ORAC-045. CERTIFICATE No. CM254088. NEXT DUE 17/01/2020.

ENGINEERS SIGNATURE _____



CUSTOMERS SIGNATURE _____

F-GAS QUALIFICATION _____

C&G 2079 PART 1

PRINT NAME _____

SITE ENGINEER

SIGNATURE DATE _____

04/10/2019

CUSTOMERS JOB TITLE _____

HEMLOW

VACUUM TEST CERTIFICATE

START OF VACUUM TEST

DATE 04/10/2019 TIME 08:30 VACUUM 0.6 mBar

END OF VACUUM TEST

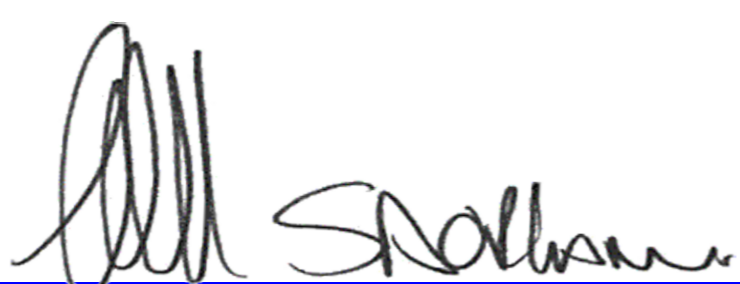
DATE 04/10/2019 TIME 11:00 VACUUM 0.8 mBar

THE ABOVE SYSTEM HAD A WITNESSED VACUUM PULLED DOWN TO 4 mBar AND MAINTAINED FOR A PERIOD OF 2 HOURS WITHOUT MORE THAN A 1.0 mBar RISE IN PRESSURE.

INSTRUMENT USED: TESTO. 2906782 CALIBRATED: 08/01/2019.

INSTRUMENT SERIAL: ORAC-169. CERTIFICATE No. 22733149. NEXT DUE 08/01/2020.

ENGINEERS SIGNATURE _____



CUSTOMERS SIGNATURE _____

F-GAS QUALIFICATION _____

C&G 2079 PART 1

PRINT NAME _____

SITE ENGINEER

SIGNATURE DATE _____

04/10/2019

CUSTOMERS JOB TITLE _____

HEMLOW

F-GAS & BOTTLE LOG

CUSTOMER NAME SHANKLAND HVAC LTD					SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SITE ENGINEER - HEMLOW		SHEET NUMBER 08496		
SITE NAME & ADDRESS (PLANT OWNER F-GAS) 60 GRESHAM STREET, LONDON. EC2V 7BB					ENGINEER STEVE ORLANDO		CLIENT ASSET NUMBER 01011		
QUALIFICATION C&G 2079 PART 1									
MANUFACTURER YORK		MODEL YCIV0920PA50VABB		SERIAL RBTM022090		DATE INSTALLED 04/03/2008		PLANT REFERENCE YORK CHILLER (01011)	
REFRIG TYPE R134A	TOT. REFRIG CHR.G. 194.0 KG	INDIVIDUAL SYS. REF. CHARGE 105 + 89 KG		REFRIG GWP 1430	EQUIV. TONNES CO2e 277.42	F-GAS LEAK CHECK FREQ. HALF YEARLY	CLG LOAD SERVED BASE BUILD COMFORT COOLING LOADS		

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
30/08/2019	HEMLOW STOCK	AM084644	WOLSELEY	R134A	DUMPY	22.1	9.1	13.0			
30/08/2019	HEMLOW STOCK	AG048523	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			
30/08/2019	HEMLOW STOCK	AM066144	WOLSELEY	R134A	DUMPY	22.1	9.1	13.0			
30/08/2019	HEMLOW STOCK	AG041052	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			
30/08/2019	HEMLOW STOCK	AM063777	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			
30/08/2019	HEMLOW STOCK	AM065985	WOLSELEY	R134A	DUMPY	22.1	9.1	13.0			
30/08/2019	HEMLOW STOCK	AM061834	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			

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
04/10/2019	STEVE ORLANDO	91.0 KG	SYS2 - CHARGE SYSTEM WITH VIRGIN STOCK AFTER MOTOR TERMINAL BOLT REPAIRS

REFRIGERANT REMOVALS			
DATE	ENGINEER	AMOUNT REMOVED (KG)	REASON FOR REMOVAL

REFRIGERANT LEAK TEST			
DATE	ENGINEER	TEST RESULT	FOLLOW UP ACTIONS REQUIRED
04/10/2019	STEVE ORLANDO	PASS	SYS2 - CARRIED OUT FULL PRESSURE AND VACUUM RISE TEST
04/10/2019	STEVE ORLANDO	PASS	SYS2 - CARRIED OUT ELECTRONIC REFRIGERANT LEAK TEST TO SYSTEM UPON COMPLETION

FOLLOW UP ACTIONS			
DATE	ENGINEER	RELATED TO TEST ON	ACTIONS TAKEN

TESTING AUTOMATIC LEAK DETECTION SYSTEM (IF FITTED)			
DATE	ENGINEER	TEST RESULT	COMMENTS

LOG - SITE DATA CAPTURE

CUSTOMER NAME SHANKLAND HVAC LTD		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SITE ENGINEER - HEMLOW			SHEET NUMBER 08496
SITE NAME & ADDRESS 60 GRESHAM STREET, LONDON. EC2V 7BB		ENGINEER STEVE ORLANDO	F-GAS QUALIFICATION C&G 2079 PART 1		CLIENT ASSET NUMBER 01011
REASON FOR VISIT QUOTED REPAIRS	MANUFACTURER YORK	MODEL	YCIV0920PA50VABB		
JOB NUMBER J/N:2502. O/N:PO00036	SERIAL No. RBTM022090	YEAR INSTALLED	04/03/2008		
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM	REFRIGERANT TYPE R134A	QUANTITY (KG)	194.0 KG		
PLANT REFERENCE YORK CHILLER (01011)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOADS			

CONTROLLER LOG CAPTURE

File Edit Format View Help

YORK INTERNATIONAL CORPORATION
LATITUDE SCREW CHILLER

OPERATING DATA
02:13:19 PM 04 OCT 2019

SYS 1 COMPRESSOR RUNNING
SYS 2 COMPRESSOR RUNNING

OPTIONS

CHILLED LIQUID WATER
LOCAL/REMOTE MODE REMOTE
LEAD/LAG CONTROL AUTOMATIC
LOW AMBIENT CUTOUT DISABLED

PROGRAM VALUES

SUCT PRESS CUTOUT 1.65 BARG
LOW AMBIENT CUTOUT -17.8 DEGC
LEAVING LIQUID CUTOUT 2.2 DEGC
MOTOR CURRENT LIMIT 100 %FLA
PULLDOWN CURRENT LIMIT 50 %FLA
PULLDOWN LIMIT TIME 0 MIN
SUCTION SUPERHEAT SETP 5.5 DEGC
UNIT ID NUMBER 0

UNIT DATA

LEAVING LIQUID TEMP 9.5 DEGC
RETURN LIQUID TEMP 15.0 DEGC
COOLING RANGE 6.0 +/- 1.4 DEGC
REMOTE SETPOINT XX.X DEGC
AMBIENT AIR TEMP 21.3 DEGC
LEAD SYSTEM SYS 1
FLOW SWITCH ON
EVAPORATOR PUMP RUN ON
EVAPORATOR HEATER OFF
ACTIVE REMOTE CONTROL NONE
OPERATING HOURS 1=25696, 2=32286
START COUNTER 1=65664, 2=27807
SOFTWARE VERSION C.A09.15.03
UNIT SERIAL NUMBER RBTM 022090

VSD DATA

ACTUAL FREQUENCY 136.3 HZ
COMMAND FREQUENCY 137.0 HZ
DC BUS VOLTAGE 549 VDC
INTERNAL AMBIENT TEMP 32.4 DEGC
COOLING SYSTEM STATUS ON
BASEPLATE TEMP 59.4, 60.6 DEGC
PRECHARGE SIGNAL ON
MOTOR OVERLOADS 1/2 344 328 AMPS
VSD SOFTWARE VERSION C.VSD.89.00

SYSTEM 1 DATA

COMPRESSOR STATUS ON
RUN TIME 0- 0- 8- 4 D-H-M-S
MOTOR CURRENT 242 AMPS 73 %FLA
SUCTION PRESSURE 2.69 BARG
DISCHARGE PRESSURE 11.5 BARG
OIL PRESSURE 10.7 BARG
SUCTION TEMPERATURE 14.1 DEGC
DISCHARGE TEMPERATURE 55.7 DEGC
OIL TEMPERATURE 40.1 DEGC
SAT SUCTION TEMP 6.7 DEGC
SUCTION SUPERHEAT 7.4 DEGC
SAT DISCHARGE TEMP 48.2 DEGC
DISCHARGE SUPERHEAT 7.5 DEGC
MOTOR TMP 61.3 62.3 42.9 DEGC
COMPRESSOR LOAD 68.1 %
ECONOMIZER ON
FLASH TANK LEVEL 14.8 %
FEED VALVE % OPEN 47.0 %
DRAIN VALVE % OPEN 56.8 %
CONDENSER FANS ON 6
COMPRESSOR HEATER OFF
RUN PERMISSIVE ON
VSD RUN RELAY ON
VSD SOFTWARE RUN SIGNAL ON

SYSTEM 2 DATA

COMPRESSOR STATUS ON
RUN TIME 0- 0- 5-16 D-H-M-S
MOTOR CURRENT 222 AMPS 71 %FLA
SUCTION PRESSURE 2.67 BARG
DISCHARGE PRESSURE 11.3 BARG
OIL PRESSURE 10.7 BARG
SUCTION TEMPERATURE 14.3 DEGC
DISCHARGE TEMPERATURE 53.3 DEGC
OIL TEMPERATURE 41.6 DEGC
SAT SUCTION TEMP 6.6 DEGC
SUCTION SUPERHEAT 7.8 DEGC
SAT DISCHARGE TEMP 47.6 DEGC
DISCHARGE SUPERHEAT 5.7 DEGC
MOTOR TMP 58.2 55.6 43.0 DEGC
COMPRESSOR LOAD 68.1 %
ECONOMIZER ON
FLASH TANK LEVEL 0.0 %
FEED VALVE % OPEN 51.6 %
DRAIN VALVE % OPEN 49.4 %
CONDENSER FANS ON 6
COMPRESSOR HEATER OFF
RUN PERMISSIVE ON
VSD RUN RELAY ON
VSD SOFTWARE RUN SIGNAL ON

LOG - SITE DATA CAPTURE

CUSTOMER NAME SHANKLAND HVAC LTD		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SITE ENGINEER - HEMLOW			SHEET NUMBER 08496
SITE NAME & ADDRESS 60 GRESHAM STREET, LONDON. EC2V 7BB		ENGINEER STEVE ORLANDO	F-GAS QUALIFICATION C&G 2079 PART 1		CLIENT ASSET NUMBER 01011
REASON FOR VISIT QUOTED REPAIRS	MANUFACTURER YORK	MODEL	YCIV0920PA50VABB		
JOB NUMBER J/N:2502. O/N:PO00036	SERIAL No. RBTM022090	YEAR INSTALLED	04/03/2008		
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM	REFRIGERANT TYPE R134A	QUANTITY (KG)	194.0 KG		
PLANT REFERENCE YORK CHILLER (01011)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOADS			

CONTROLLER LOG CAPTURE

YORK INTERNATIONAL CORPORATION
LATITUDE SCREW CHILLER

HISTORY NUMBER 1
03:14:49 PM 04 OCT 2019

SYS 2 LOCKOUT:
GATE DRIVER

STATUS AT TIME OF SHUTDOWN
SYS 1 COMPRESSOR RUNNING
SYS 2 COMPRESSOR RUNNING

ALL FAULTS
NO FAULTS

OPTIONS
CHILLED LIQUID WATER
LOCAL/REMOTE MODE REMOTE
LEAD/LAG CONTROL AUTOMATIC
LOW AMBIENT CUTOUT DISABLED

PROGRAM VALUES
SUCTION PRESS CUTOUT 1.65 BARG
LOW AMBIENT CUTOUT -17.8 DEGC
LEAVING LIQUID CUTOUT 2.2 DEGC
MOTOR CURRENT LIMIT 100 %FLA
PULLDOWN CURRENT LIMIT 50 %FLA
PULLDOWN LIMIT TIME 0 MIN
SUCTION SUPERHEAT SETP 5.5 DEGC
UNIT ID NUMBER 0

UNIT DATA
LEAVING LIQUID TEMP 7.8 DEGC
RETURN LIQUID TEMP 13.7 DEGC
COOLING RANGE 6.0 +/- 1.4 DEGC
REMOTE SETPOINT XX.X DEGC
AMBIENT AIR TEMP 21.7 DEGC
LEAD SYSTEM SYS 1
FLOW SWITCH ON
EVAPORATOR PUMP RUN ON
EVAPORATOR HEATER OFF
ACTIVE REMOTE CONTROL NONE
OPERATING HOURS 1=25696, 2=32286
START COUNTER 1=65664, 2=27807
SOFTWARE VERSION C.A09.15.03
UNIT SERIAL NUMBER RBTM 022090

VSD DATA
ACTUAL FREQUENCY 164.1 HZ
COMMAND FREQUENCY 164.4 HZ
DC BUS VOLTAGE 540 VDC
INTERNAL AMBIENT TEMP 33.9 DEGC
COOLING SYSTEM STATUS ON
BASEPLATE TEMP 65.0, 64.4 DEGC
PRECHARGE SIGNAL ON
MOTOR OVERLOADS 1/2 344 328 AMPS
VSD SOFTWARE VERSION C.VSD.89.00

SYSTEM 1 DATA

COMPRESSOR STATUS ON
RUN TIME 0- 0- 9-34 D-H-M-S
MOTOR CURRENT 262 AMPS 79 %FLA
SUCTION PRESSURE 2.55 BARG
DISCHARGE PRESSURE 13.2 BARG
OIL PRESSURE 12.3 BARG
SUCTION TEMPERATURE 10.4 DEGC
DISCHARGE TEMPERATURE 60.9 DEGC
OIL TEMPERATURE 44.2 DEGC
SAT SUCTION TEMP 5.6 DEGC
SUCTION SUPERHEAT 4.9 DEGC
SAT DISCHARGE TEMP 53.2 DEGC
DISCHARGE SUPERHEAT 7.7 DEGC
MOTOR TMP 60.0 59.7 36.4 DEGC
COMPRESSOR LOAD 82.0 %
ECONOMIZER ON
FLASH TANK LEVEL 15.6 %
FEED VALVE % OPEN 48.2 %
DRAIN VALVE % OPEN 58.6 %
CONDENSER FANS ON 6
COMPRESSOR HEATER OFF
RUN PERMISSIVE ON
VSD RUN RELAY ON
VSD SOFTWARE RUN SIGNAL ON

SYSTEM 2 DATA

COMPRESSOR STATUS ON
RUN TIME 0- 0- 6-46 D-H-M-S
MOTOR CURRENT 233 AMPS 74 %FLA
SUCTION PRESSURE 2.58 BARG
DISCHARGE PRESSURE 12.9 BARG
OIL PRESSURE 12.2 BARG
SUCTION TEMPERATURE 12.4 DEGC
DISCHARGE TEMPERATURE 59.1 DEGC
OIL TEMPERATURE 45.6 DEGC
SAT SUCTION TEMP 5.7 DEGC
SUCTION SUPERHEAT 6.7 DEGC
SAT DISCHARGE TEMP 52.2 DEGC
DISCHARGE SUPERHEAT 6.9 DEGC
MOTOR TMP 58.0 53.9 38.7 DEGC
COMPRESSOR LOAD 82.0 %
ECONOMIZER ON
FLASH TANK LEVEL 0.0 %
FEED VALVE % OPEN 54.2 %
DRAIN VALVE % OPEN 52.8 %
CONDENSER FANS ON 6
COMPRESSOR HEATER OFF
RUN PERMISSIVE ON
VSD RUN RELAY ON
VSD SOFTWARE RUN SIGNAL ON

LOG - SITE PICTURES

CUSTOMER NAME		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)		SHEET NUMBER	
SHANKLAND HVAC LTD		SITE ENGINEER - HEMLOW		08496	
SITE NAME & ADDRESS		ENGINEER	STEVE ORLANDO	CLIENT ASSET NUMBER	
60 GRESHAM STREET, LONDON. EC2V 7BB		F-GAS QUALIFICATION	C&G 2079 PART 1	01011	
REASON FOR VISIT	QUOTED REPAIRS	MANUFACTURER	YORK	MODEL	YCIV0920PA50VABB
JOB NUMBER	J/N:2502. O/N:PO00036	SERIAL No.	RBTM022090	YEAR INSTALLED	04/03/2008
PLANT LOCATION	5TH FLOOR HVAC PLANTROOM	REFRIGERANT TYPE	R134A	QUANTITY (KG)	194.0 KG
PLANT REFERENCE	YORK CHILLER (01011)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOADS		

SITE PICTURE LOG

