

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						
BIRDSALL LTD						ANDY C	AMISH	- ENG MANAGER		04113		
SITE NAME & ADDRESS (PLANT OWNER F-GAS)							ENGINEER	STEVE ORLAN	DO	CLIENT ASSET NUMBER		
VOCALINK, LANGSTO	ON RD, LOUGHTON.	G10 3TN					MATE				00037	
REASON FOR VISIT	MINOR PPM MAINTE	T				MANUFACTURER	CARRIER	MODEL	30GX-132-A0095			
JOB NUMBER	VISIT No. 12850/PO					SERIAL No.	12R108341	YEAR INSTALLED	01/01/2001			
PLANT LOCATION	ROOF EXTERNAL PLA	NT AREA					REFRIGERANT TYPE	R134A	QUANTITY (KG)	54 + 56 KG		
PLANT REFERENCE	VOCALINK BUILDING	G. CHILLER	No1.			CLG LOAD SERVED	PROCESS & CO	OMFORT COOLING CHILLED W	ATER LOAD			
WORK CARRIED OUT:												
ATTENDED SITE AND	O CARRIED OUT PPM	VISIT TO C	HILLER AS	DETAILED	ABOVE.							
REFER TO ATTACHED	D F-GAS LOG AND CH	IILLER PPM	SCHEDULE									
	ENGINEER	S TIME ON SI	TE & TRAVEL						MATERIALS USED			
DAY DATE	START FINISH	TRAVEL	TOTAL	COMPLETE Y/N	MILEAGE	No. ENG	QUANTITY DESCRI	TION				
MON 02/02/2015	08:00 10:00	1	3	N	40	1						
TUES												
WED												
THUR												
FRI												
SAT												
SUN												
CUSTOMER TO SIGN	FOR ENGINEERS TIME ON	SITE										
	//\h											
		SN	Mon	Δr								
ENGINEER SIGNATURE: _	0 1					_	CUSTOMERS SIGNATUR	≣: <u></u>			_	
		C0 C 20-	70 DADT 1						ANDV CANTOLL			
F-GAS QUALIFICATION: _		C&G 207	'9 PART 1			-	CUSTOMER NAM	≣: 	ANDY CAMISH			
		02/02)/201F					_				
SIGNATURE DATE: _		02/02	2/2015			-	CUSTOMERS JOB TITL	=:	ENG MANAGER			
ADDITIONAL WORKS RECOMM	MENDED / REQUIRED:											
* DOOR HINGE BROK	KEN, UNABLE TO SOI	JRCE REPLA	ACEMENT F	ROM CARR	IER.							
* ORIGINAL AMBIEN	T SENSOR IN USE. H	AS NOT BE	EN DUMMI	ED WITH R	ESISTORS	TO OVERCO	OME LOW AMBIEN	T REFRIGERANT	TRIP PROBLEMS.			
* RECOMMEND REPL	ACING INTERNAL &	EXTERNAL	OIL FILTER	S ON SYST	EM B1.							
ISO9001:2008. CUSTOME	ER SATISFACTION:				1 = U	INSATISFIED	2= BELOW AVERA	GE = MET EXPE	ECTATION 4 = ABOVE AVERAGE	= EXCELLENT		
CUSTOMER COMMENTS A	ABOUT PERFORMANCE ON	THIS JOB / C	ONTRACT:									



Address: 83 High Street

Hemel Hempstead
Hertfordshire, HP1 3AH.

SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)

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

SHEET NUMBER

F-GAS & BOTTLE LOG

CUSTOMER NAME

BIRDSALL LTD							ANDY	CAMISH	-	ENG MANAGER			04113		
SITE NAME & ADDRESS (PLANT OWNER F-GAS)							ENGINEER	STEVE	ORLANDO		(CLIENT ASS	SET NUMBER		
VOCALINK, LANGSTON RD, LOUGHTON. IG10 3TN							QUALIFICATION C&G 2079 PART 1 0003								
MANUFACTURER	NUFACTURER MODEL S				SERIAL	SERIAL		REFRIG QUANTITY	PLANT RE	FERENCE					
CARRIER	CARRIER 30GX-132-A0095 12R108341						R134A	54 + 56 KG	VOCALI	INK BUILDING. C	CHILLER No	o1.			
					VIRGIN F	REFRIGERA	NT BOTTLE LOG (KG)								
DATE RECEIVED	DELIVERY NOTE	BOTTLE NU	IMPED	SUPPLIER	REFRIGERANT	BOTTLE TYPE	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET USED	DATE RET	TUDNED	RETURNS NOTE		
DATE RECEIVED	NUMBER	DOTTEE NO	SMBER	JOHNEICK	KLIKIOLKANI	DOTTEE THE	GROSS WEIGHT	TAKE WEIGHT	WEI WEIGHT	NET OSED	DATERE	TORNED	NUMBER		
-															
					REC	COVERY BO	TTLE LOG ((KG)							
			·		F-GAS I	REFRIGERA	TION LOG	RECORD	•	•					
REFRIGERANT AD	DDITIONS														
DATE	ENGINEER	R	AMOUNT A	ADDED (KG)				REASON I	FOR ADDITION						
REFRIGERANT RE	MOVALS														
DATE	ENGINEER	R	AMOUNT RE	EMOVED (KG)				REASON	FOR REMOVAL						
REFRIGERANT LE	ΔK TECT														
		D	T	DECLUT				FOLLOWER	CTIONS DECLIRED						
DATE	ENGINEER			RESULT					CTIONS REQUIRED						
02/02/2015	STEVE ORLA	ANDO	P/	ASS		PPI	M - CARRIED OU	T ELECTRONIC RE	EFRIGERANT LEA	K TEST BOTH SY	STEMS				
FOLLOW UP ACTION	IS														
DATE	ENGINEER	R	RELATED 1	TO TEST ON				ACTIO	ONS TAKEN						
TESTING AUTOMA	ATIC LEAK DETECT	CTION SYSTE	M (IF FITT	red)											
DATE	ENGINEER			RESULT				CO	MMENTS						
DATE	LINGTINEEK		ILSI	NESOE1				CO	. II ILIVI S						
				M	vww ₋ 0	rlando	nairco	n co i	ık						



Address:

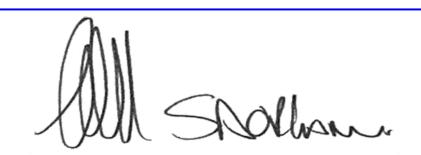
83 High Street Hemel Hempstead Hertfordshire, HP1 3AH.

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

	SCILLY	CHILLER	(5								
CUSTOMER NAME	SITE CONTACT (OPERA	TOR RES	SPONSIBLE FOR F-GAS	COMPLIANCE)		SHEET NUMBER					
BIRDSALL LTD	ANDY CA	ANDY CAMISH - ENG MANAGER					04113				
SITE NAME & ADDRESS	ENGINEER	ST	EVE ORLANDO			CLIENT ASSET NUM	IBER				
VOCALINK, LANGSTON RD,	F-GAS QUALIFICATION	C&	G 2079 PART 1				00037				
REASON FOR VISIT MINOR PPM	MANUFACTURER	CA	RRIER		MODEL	30GX-132-A00)95				
JOB NUMBER VISIT No. 1	SERIAL No.	12	R108341		YEAR INSTALLED	01/01/2001					
PLANT LOCATION ROOF EXTE	RNAL PLANT AREA			REFRIGERANT TYPE	R1	34A		QUANTITY (KG)	54 + 56 KG		
	BUILDING. CHILLER	No1		CLG LOAD SERVED		OCESS & COMFO	DT COOLING CH	<u> </u>			
		INOT.	COMPRESSOR OIL TYPE:		NE FV		KI COOLING CIT	ILLED WATER LC	OIL VOLUME:	2 OFF 20 LTRS	
COMPRESSOR MANUFACTURER: CARRIER			SERIAL:				0070 (220 DIE				
COMPRESSOR 1 MODEL:	06NA2250S7NA-A		NCBSHA6001 / 13			9979 (320 <i>DIFF</i>	,	STARTS:	2535 (25 <i>DIFF</i>)		
COMPRESSOR 2 MODEL:	06NA2250S7NA-A	A00	NCBSHA6001 / 13	301J09	HRS RUN:	10507 (358 <i>DIF</i>	-F)	STARTS:	2464 (30 <i>DIFF</i>)		
COMPRESSOR 3 MODEL:	N/A		SERIAL:	N/A		HRS RUN:	N/A		STARTS:	N/A	
COMPRESSOR 4 MODEL:	N/A		SERIAL:	N/A		HRS RUN:	N/A		STARTS:	N/A	
BOX CODES	Y YES	N NO	G GOOD	F FAIR	P P	OOR B	BAD N/A	NOT APPLICA	ABLE		
COMPRESSOR Min/N	Мај	CONTROL	PANELS Min/M	aj		F-GAS REFI	RIGERANT C	HECKS Min/	Мај		
GG Check Oil Level		GG Check	Compressor Contact	ors		GG Check R	efrigerant Charge	e	-		
COMPRESSOR Min/N	Иаj	CONTROL	PANELS Min/M	aj		F-GAS REF	RIGERANT C	HECKS Min/	Мај		
GG Pump Down Test		G Check	Timer Sequences			GG Check P	ressure Relief Va	lves			
Check Unloader Ope	eration		Electrical Connection			GG Check P	ressure Relief Va	lve Vent Line			
NN 20K Hours Inspectio	n Required		Cond Fan Voltage Re	egulator					(5) Year Anniversary		
COMPRESSOR Maj	ETI.	Standard	Micro			N/A Check Fi					
Replace Internal Oil	21.8 BarG	21.0 BarG	H.P Cut-Out			re Health & Safet	•				
OIL SEPARATOR Mi NN Oil Sample Test (On	N/A N/A	0.5 BarG N/A	L.P Cut-Out Pumpdown C/O		System A	N CHECKS Mi System B	System #3	System #4			
NN Oil Sample Test (One Shot) GG Oil Separator Level		· ·	540KPaG: 6 SEC	Oil Press C/O		224.2 KPaG	234.2 KPaG	N/A	N/A	Evap Pressure	
GG Check Heater Opera	N/A		C LTL Cut-Out		845.4 KPaG	854.0 KPaG	N/A	N/A	Cond Pressure		
OIL SEPARATOR Maj		UNTESTED			377.5 KPaD	346.1 KPaD	N/A	N/A	Oil Differential		
NN Oil Sample Taken (Lab Test)		G Test F		*3	104.3 KPaD	142.3 KPaD	N/A	N/A	Oil Filter Differentia		
NN Replace External Oil Filter		6.0 Deg C			11.4	DegC	N	N/A	Chld Water ON		
		1.0 Deg C	Range	6.0 DegC		N	N/A	Chld Water OFF			
ECONOMISER Min/M	1aj	-18.0 Deg C	C/O	N/A			N	N/A	Cond Water ON		
N/A Check TX Valve Ope		45.0 Deg C				N/A	Cond Water OFF				
N/A Check Solenoid Ope		14.0 BarG	Condenser Fan S.P		2.4 Deg0 e 102.0 Amps 104.0 Amps				Ambient		
N/A Check Liquid Level (6.0 BarG	Condenser Fan Ran				104.0 Amps	N/A	N/A	Compressor Amps		
LIQUID INJECTION	Min /Mai		High Pressure Force DITION Min/Ma			43.7 DegC N/A	47.6 DegC	N/A	N/A	Oil Temp	
GG Check Injection Valv	, ,		AV Mounts		68.5%	N/A 87.4%	N/A N/A	N/A N/A	EconTemp Diff. EEV Position		
ad check injection vary	ve operation	G Check			100.0%	100.0%	N/A	N/A	Slide Valve Position		
AIR CONDENSERS	Min/Mai	G Check		OPERATION CHECKS Maj				7.7			
GG Condition of Coils	, .	N/A Check	Motorised Shut-off V	'alves		System #1 System #2 System #3			System #4		
GG Check Fans		G Door S	Seals, Hinges & Latch	es				N/A	N/A	Evap Tsat	
AIR CONDENSERS	Maj	DRY	DRY	Site Glass Cond.				N/A	N/A	Suction Temp	
YY Condenser Coils Bru	shed	50.0 KPaD	Evaporator Water B	ox P.D		0.0 Deg K	0.0 Deg K	N/A	N/A	Suct Superheat	
YY Condenser Chemica	l Cleaned	N/A	Condenser Water Be	ox P.D				N/A	N/A	Cond Tsat	
			Glycol CW / CondW					N/A	N/A	Discharge Temp	
NI/A Damaria Fiel Carre			CALIBRATION M	lin/Maj		0.0 Deg K	0.0 Deg K	N/A	N/A	Disch Superheat	
N/A Remove End Covers	7		Ambient Sensor Chilled Water Sensor			0.0.0.0.1/	0.0 5 1/	N/A	N/A	Liquid Line Temp	
N/A Condition of Tubes	N/A Condition of Water Boxes GG					0.0 Deg K	0.0 Deg K	N/A	N/A	Subcooling Winding Thermistor	
N/A Condition of Tubes N/A Condition of Water B		NI/A Charle		11301/3		N/A	N/A	N/A	N/A	Winding Thermistor	
N/A Condition of Tubes		· ·	Condenser Water Se	nsors		MUIUD CO	FCKC Mai				
N/A Condition of Tubes N/A Condition of Water E N/A Check for Water Lea	aks	N/A Check	Oil Temperature Ser			MOTOR CHI	•	System #3	System #4		
N/A Condition of Tubes N/A Condition of Water E N/A Check for Water Lea CONTROL PANELS M	aks	N/A Check -/G Check	Oil Temperature Ser EEV S1 / S2 Sensors			MOTOR CHI System #1	System #2	System #3	System #4 N/A	Comp. Windings	
N/A Condition of Tubes N/A Condition of Water E N/A Check for Water Lea	aks 1in/Maj	N/A Check -/G Check GG Check	Oil Temperature Ser			System #1	•	System #3 N/A	System #4 N/A	Comp. Windings Cond Fans 1-4	
N/A Condition of Tubes N/A Condition of Water E N/A Check for Water Lea CONTROL PANELS M G Check Main Wiring G Check Main Controll	nks 1in/Maj er	N/A Check -/G Check GG Check GG Check	Oil Temperature Ser EEV S1 / S2 Sensors L.P Transducer/s			System #1	System #2		-		
N/A Condition of Tubes N/A Condition of Water E N/A Check for Water Lea CONTROL PANELS M G Check Main Wiring G Check Main Controll	lin/Maj er & Latches	N/A Check -/G Check GG Check GG Check GG Check	Oil Temperature Ser EEV S1 / S2 Sensors L.P Transducer/s H.P Transducer/s	icer/s		System #1	System #2		-	Cond Fans 1-4	

FAULTS FOUND:

- *1 DOOR HINGE BROKEN. UNABLE TO GET CORRECT LATCH FROM CARRIER.
- *2 ORIGINAL AMBIENT SENSOR IN USE. HAS NOT BEEN DUMMIED WITH RESISTORS TO OVERCOME LOW AMBIENT REFRIGERANT TRIP PROBLEMS.
- *3 RECOMMEND REPLACING INTERNAL & EXTERNAL OIL FILTERS ON SYSTEM B1.



CUSTOMERS SIGNATURE:

DATE:

02/02/2015



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 (OPERATO	R RESPONSIBLE FOR F-GAS COMPLIANCE)	SHEET NUMBER		
BIRDSALL LTD	ANDY CAM	ISH - ENG M	ANAGER		04113
SITE NAME & ADDRESS	ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER	
VOCALINK, LANGSTON RD, LOUGHTON. IG10 3TN	F-GAS QUALIFICATION	C&G 2079 PART 1			00037
REASON FOR VISIT MINOR PPM MAINTENANCE VISIT	MANUFACTURER	CARRIER	MODEL	30GX-132-A0095	
JOB NUMBER VISIT No. 12850/PO059003	SERIAL No.	12R108341	YEAR INSTALLED	01/01/2001	
PLANT LOCATION ROOF EXTERNAL PLANT AREA	REFRIGERANT TYPE	R134A	QUANTITY (KG)	54 + 56 KG	
PLANT REFERENCE VOCALINK BUILDING. CHILLER No1.	CLG LOAD SERVED	PROCESS & COMFORT COOLING CH	ILLED WATER LO	AD	

CARRIER CHILLER LOG CAPTURE

