

Attachment 3
To
Airworthiness Group Factual Report Addendum 1

Single Wheel Speed Transducer Test Results



HYDRO-AIRE
P. L. PORTER
A Crane Co. Company
5051 Wilshire Avenue P.O. Box 7222, Burbank, CA 91510-7222

(818) 526-2600 FAX (818) 842-6117 TELEX 677694
FORM # 1834-C (6/93)

**RETURNED MATERIALS REPAIR ORDER
AND DISPOSITION REPORT**

SERVICE REQ# **152731** JOB ORDER # **S876233** PROD LINE **TRANSDUCER** REPAIR STATION # **QD3R785L**

PART NO BEFORE MODIFICATION 140-287	PART DESCRIPTION WHEELSPEED TRANSDUCER AND ASSEMBLY	UNIT SERIAL NO 171	NEW PART NUMBER N/A	NEW SERIAL NUMBER
---	---	------------------------------	-------------------------------	-------------------

CUSTOMER NAME 6398 FEDERAL EXPRESS CORPO	LOCATION MEMPHIS TN	PURCHASE ORDER NO W/A 8/15/06	SALES ORDER NUMBER 188169	DATE RECEIVED 15-AUG-06	SHIP DUE DATE
		STATUS NORMAL	RMA NUMBER 188169	SHIP DATE	

CUSTOMER REASON FOR RETURN TEST AND EVALUATE ACCIDENT INVESTIGATION	CODE A25	CUSTOMER REJ NO	QUANTITY 1	A/C TAIL NO
		RETURN CATEGORY 1. <input type="checkbox"/> OVERHAUL 4. <input type="checkbox"/> REJECTION 2. <input type="checkbox"/> REPAIR 5. <input type="checkbox"/> MODIFY 3. <input type="checkbox"/> WARRANTY 6. <input checked="" type="checkbox"/> OTHER		GOVT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
		FAILURE ANALYSIS REQUIRED NOTREQ		
VERIFICATION TEST RESULTS CODE: <input type="checkbox"/> VALID <input type="checkbox"/> INVALID <input type="checkbox"/> NOT APPLICABLE				

VISUAL DESCRIPTION GOOD	FINDINGS
	RESOLUTION CODE
	TESTED BY DATE TEST AREA

INSPECTED BY JIMENEZ, MELISSA DATE: 15-AUG-06	SPECIAL QUALITY ASSURANCE INSTRUCTIONS FOR TESTING
MFG DATE: 01-AUG-2005 PRIOR RETURN	
OVERHAUL DATE:	

SUMMARY CODE: CORRECTIVE ACTION APPLICABLE NOT APPLICABLE WARRANTY HONORED **N/A**

MAINTENANCE PERFORMED IAW SPEC, REV, DATE	Q.A. ENG	DATE
TSN: TSO: CSN:	CSO:	CONTAINER:
CUSTOMER P/N:		

Job:  S876233



Job Mass Loaded on 15-AUG-2006 11
 Scheduled Start: 15-AUG-06 00:00 Start Quantity: 1
 Scheduled Complete: 05-SEP-06 00:00 Lot Size: 0
 Routing Revision: 02 15-AUG-06 11:02 Sketches:

Assembly: 140-287
 Status: Released
 WHEELSPEED TRANSDUCER AND ASS

Total S/U Time: 2 PART:
 Total Run time: 8 DES DOC:
 Routing Reference: REPAIR MECHANICAL STANDARD REPAIR ROUTING FOR MECHANICAL

Serial Number:

Set-Up	Dept	Dept Name	Que	PCS/Hr	S/U Insp.	Comp. Date	Acpt.	Rjct.	1st Artc.	Inspt.	NCMR	Op Seq.
0	087	Issue & Release	.0417	0								800
0	103	Lab - Engineering Test	0	0								801
0	224	Engineering Hold	0	0								802
0	181	Verification Test	.0417	1								810
0	191	Tear-down & Evaluate	.0417	1								820
0	235	WARRANTY DISPOSITION	0	0								822



QUEUE



RUN



TO MOVE



REJECT

CRANE HYDRO-AIRE
A SUBSIDIARY OF CRANE CO.

MUST BE PRINTED ON PINK PAPER

SHEET 1 OF 1		PART NO. 140-287				
DATE 8/15/06		SERIAL NO. 138/171 #1				
ENGINEER Chvaland		N. C. M. R. REF.				
MFR. ENGR.		WCRK ORDER NO. SB76188				
Q. A. ENGR.		PROGRAM MD10 mod				
		CUSTOMER Fed Ex				
PRODUCT ANALYSIS TRAVELER						
****THIS DOCUMENT TO ACCOMPANY PART AT ALL TIMES ****						
PROBLEM: investigation						
STEP NO.	ENGINEERING DIRECTION	ASSIGNED TO	BY	STEP	RESULTS	NSP/OPER.
1	Remove adapter for testing					

TEST RECORD

DATE: 8/15/06
 TITLE: Wheelspeed Transducer
 SERIAL #: 171
 OPERATOR: MARIO SANCHEZ

Page: 6
 P/N: 140-287 Rev
 WO/RMDR#: _____
 TYPE FLUID: N/A

QC Accept

Unit Serial No.	3.1 Examination of Product	4.1 Dielectric & Insulation Resistance		4.2 Resistance	4.3 Frequency - Hz Volts Peak-to-Peak				
		0.5 mA Max Leakage	200 MΩ Min.		150 Hz (1.0V Min)	500 Hz (3V)	1500 (6V)	3000 Hz (6VMin)	6000 Hz (3VMin)
<u>171</u>	<u>Acc</u>	<u>.08</u>	<u>∞</u>	<u>286</u>	<u>3.9</u>	<u>10.4</u>	<u>27.0</u>	<u>34.0</u>	<u>15.0</u>

SERVICE REQ# **152711** JOB ORDER # **3076189** PROD LINE **TRANSDUCER** REPAIR STATION # **QD3R785L**

PART NO BEFORE MODIFICATION 140-287	PART DESCRIPTION WHEELSPEED TRANSDUCER AND ASSEMBLY	UNIT SERIAL NO 138	NEW PART NUMBER N/A	NEW SERIAL NUMBER
---	---	------------------------------	-------------------------------	-------------------

CUSTOMER NAME 6398 FEDERAL EXPRESS CORPO	LOCATION MEMPHIS TN	PURCHASE ORDER NO W/A 08/15/06	SALES ORDER NUMBER	DATE RECEIVED 15-AUG-06	SHIP DUE DATE
		STATUS NORMAL	RMA NUMBER 188157		

CUSTOMER REASON FOR RETURN TEST AND EVALUATE ACCIDENT INVESTIGATION	CODE A25	CUSTOMER REJ NO	QUANTITY 1	A/C TAIL NO
		RETURN CATEGORY 1. <input type="checkbox"/> OVERHAUL 4. <input type="checkbox"/> REJECTION 2. <input type="checkbox"/> REPAIR 5. <input type="checkbox"/> MODIFY 3. <input type="checkbox"/> WARRANTY 6. <input checked="" type="checkbox"/> OTHER		
		GOVT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
		FAILURE ANALYSIS REQUIRED <input type="checkbox"/> VALID <input type="checkbox"/> INVALID <input type="checkbox"/> NOT APPLICABLE		
		VERIFICATION TEST RESULTS CODE: <input type="checkbox"/> VALID <input type="checkbox"/> INVALID <input type="checkbox"/> NOT APPLICABLE		

VISUAL DESCRIPTION ADAPTER FLANGE HAS NICKS	FINDINGS
RESOLUTION CODE	
TESTED BY	
DATE	TEST AREA

INSPECTED BY JIMENEZ, MELISSA DATE: 15-AUG-06 MFG DATE: 01-JAN-2005 PRIOR RETURN OVERHAUL DATE:	SPECIAL QUALITY ASSURANCE INSTRUCTIONS FOR TESTING Q.A. ENG
--	--

SUMMARY CODE: CORRECTIVE ACTION APPLICABLE NOT APPLICABLE WARRANTY HONORED **N/A**

MAINTENANCE PERFORMED IAW SPEC, REV, DATE	TSN:	TSO:	CSN:	Q.A. ENG	DATE
				CSO:	CONTAINER:
CUSTOMER P/N:					

TEST RECORD

DATE: 8.15.06 Page of
 TITLE: Wheelspeed Transducer P/N: 140-287 Rev
 SERIAL #: 138 WORMDR#:
 OPERATOR: MARCO SANCHEZ TYPE FLUID: N/A

QC Accept

Unit Serial No.	3.1 Examination of Product	4.1 Dielectric & Insulation Resistance		4.2 Resistance	4.3 Frequency - Hz Volts Peak-to-Peak				
		0.5 mA Max Leakage	200 MΩ Min.		150 Hz (10V Min)	500 Hz (3V)	1500 (6V)	3000 Hz (6V/Min)	6000 Hz (3V/Min)
138	ACC	.00	∞	289 at 70°F	3.9	10.2	28.0	31.0	12.8