

Docket No. SA-539

Exhibit No. 2-H

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

Attachment 7 – N2469L Inspection Record

(12 Pages)

WORK ORDER

NAME Skip Nichols
 ADDRESS [REDACTED]
 CITY: Kyle, TX ZIP: 79640 PHONE [REDACTED]



Ballooning Adventures of Texas

Richmond, TX 77469

WORK ORDER# 200688

CLOSING DATE:

5-23-15

DATE RECEIVED

5-23-15

CHARGED:

CASH CHECK:

DATE PROMISED

5-23-15

CREDIT CARD

TAKEN BY:

TYPE OR MODEL	SERIAL NUMBER	REGISTRATION NUMBERS	AIRCRAFT TOTAL TIME	DATE RECEIVED		DATE PROMISED		
BV 852 KUBICKER	1076	N2469L	54.0	<u>5-23-15</u>		<u>5-23-15</u>		
#	PART NUMBER	PARTS DESCRIPTION	UNIT PRICE	TOTAL	SYSTEM <input checked="" type="checkbox"/> ENVELOPE <input type="checkbox"/> GONDOLA <input type="checkbox"/> BURNERS <input type="checkbox"/> TANKS <input type="checkbox"/> INSTRUMENTS <input type="checkbox"/> OTHER <input type="checkbox"/>			
					INSTRUCTIONS; INSPECTION(S) & REPAIRS			
1		KUBICKER GREASE		—	Tech.	COMPLETE ANNUAL		
		CUSTOMER SUPPLIED PARTS		—				
						NORM'S A-5L's. BURN REPAIRS		
						FULL NORMEX PANEL 6-7, FULL PANEL 1-7, 8,		
						FULL PANEL 6-7, 1/3 PANEL, P2 6-7, 1/2 PANEL P1 5-6,		
						13" X 20" PATCH 4-5 FULL PANELS ON P1, 11-12 AND 10-11		
						LABOR FOR REPAIRS 10 HR @ 60/HR		
TOTAL PARTS					RETAIN PARTS <input type="checkbox"/> DESTROY PARTS <input type="checkbox"/>			

DATE: 5-23-15 PART(S) _____

MODEL BV 852 S/N: 1076 A/C TT: 54.0

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current Federal Regulations and found airworthy for return to service.

Signed: [Signature] for

(Inspector)

Ballooning Adventures of Texas, Inc.

CRS # B51R640K

I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above aircraft/component for purposes of testing, inspection or delivery. At my risk an express mechanic's lien is acknowledged on above aircraft/component to secure the amount of repairs; thereto you will not be held responsible for loss or damage to aircraft component or articles left in aircraft/component in case of fire, theft, accident or any other cause beyond your control.

AUTHORIZED BY _____

I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above aircraft/component for purposes of testing, inspection or delivery. At my risk an express mechanic's lien is acknowledged on above aircraft/component to secure the amount of repairs; thereto you will not be held responsible for loss or damage to aircraft component or articles left in aircraft/component in case of fire, theft, accident or any other cause beyond your control.

TOTAL LABOR

TOTAL PARTS

SHOP SUPPLIES

PROPANE

OUTSIDE WORK

SUBTOTAL

STATE TAX

FREIGHT

TOTAL AMOUNT

[REDACTED] 0.0

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

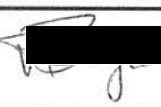
[REDACTED]

[REDACTED] 0.0

Repair Station:	CRS# B512640K	Order No:
BALLOONING ADVENTURES OF TEXAS		200647

5-23-15

100 hr / Annual Inspection Checklist

Balloon registration:	Registration expires:	Total Flight Time:	Flight time since last inspection:	Inspection date:	Inspector's signature:
N 2469L		18.20	NEW	-	
Final result: The balloon is considered as airworthy : <input checked="" type="radio"/> YES / NO					

0. Balloon parts identification

	Type	S/N		Type	S/N
Envelope	EB852	1076	Fuel Tank 1	V-30	189
Basket		551-204	Fuel Tank 2	V-30	638
Burner	TRIPPLE		Fuel Tank 3	V-30	637
			Fuel Tank 4	V-30	663
Instrument	FLY-TEC		Fuel Tank 5	V-30	34
Remarks:			Fuel Tank 6	V-30	2052
			Fuel Tank 7		
			Fuel Tank 8		

1. Paperwork (balloon documentation)

All of the following documentation must be present and checked during the inspection.

Document	Check / Inspect	Pass / Fail (V) / (X)
Balloon Logbook	Equipment listed ; balloon age and hours flown ; maintenance repairs and modifications since last revision	✓
CofA		✓
Flight Manual	The latest issue mandatory for the balloon	✓
Applicable Service Bulletins / AD	Check that all applicable service bulletins and ADs applicable for the balloon have been carried out.	✓
STC	Flight manual supplement and STC (When components made by another manufacturer are used only)	✓
Findings / remarks:		

Repair Station: CRS# B51R64OK	Order No: 200647
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2. Envelope

Part	Check / Inspect	Pass / Fail (✓) / (x)
Crown ring	In place ; not corroded ; crown line undamaged and has appropriate length	✓
Vertical load tapes	Joints with the crown ring, top of the envelope and wires. All vertical load tapes undamaged along their entire length.	✓
Horizontal load tapes	All horizontal load tapes undamaged along their entire length. Inspect base horizontal tape and edge of the envelope top. Inspect joint between base horizontal load tape and vertical load tapes.	✓
Fabric Panels	Inspect the envelope fabric panels for damage, porosity overheating or weakness. Unrepaired damage is within tolerance given by Flight manual. Check that the previous repairs are performed correctly and according to maintenance manual. If substantial fabric porosity is suspected then a flight test should be performed, but only after a grab test has demonstrated that the balloon is safe to fly (par. 7.16).	✓
Grab testing	If the envelope has more than 260 hours or has been significantly overheated (tempilabel indicates 138°C or more) or you are unsure about fabric condition perform a grab test (MM par. 7.16)	✓
Flying Cables	Inspect for damage (particularly heat damage). Kevlar cable – yellow core is not visible	✓
Karabiners	Inspect for damage. Karabiner lock is working properly.	✓
Melting link	Melting link and temperature streamer correctly attached	
Tempilabel	Inspect the Tempilabel. If overheating is indicated (over 138°C) perform overheating inspection (par. 7.18.1)	✓
Findings / remarks:		

Grabtest results

Gore No:	Fabric color	Result [kg]	Pass / Fail (✓) / (x)	Gore No:	Fabric color	Result [kg]	Pass / Fail (✓) / (x)
Finding / remark: 54.0 MRS -							

Repair Station:	Order No:
CIRS# B51R64OK	200647

3. Deflation system

Part	Check / Inspect	Pass / Fail (✓) / (x)
Fabric panels	Inspect for damage, porosity, overheating or weakness. Inspect joints and stitching.	✓
Velcro tabs	Inspect for damage, wear, sufficient strength of peeling	✓
Sewn loops	Inspect for damage, wear, security (both on the deflation panel and envelope)	✓
Centralizing lines	Inspect for damage wear, security of knots. Check proper length Check position of stoppers (FDS only)	✓
Shroud lines	Inspect for damage, wear, security of knots.	✓
Top lines	Inspect for damage, wear, security of knots	✓
Control lines	Inspect for damage, wear, security of knots. Check proper length	✓
Control lines attachments	Inspect for damage, wear, security of knots	✓
Control lines pulleys	Inspect for damage, wear, free running, contamination, security of attachment	✓
FDS pulleys	Inspect for damage, wear, free running, contamination, security of attachment	✓
Lite Vent weight (if fitted)	Inspect for damage, wear and security of attachment.	✓
Rip panel lock (if fitted)	Check correct function	✓
Findings / remarks:		

4. Rotation vents

Part	Check / Inspect	Pass / Fail (✓) / (x)
Fabric panels	Inspect for damage, porosity, overheating or weakness. Inspect joints and stitching.	✓
Free tapes	Inspect condition of stitching at ends of tapes	✓
Pulling triangles	Inspect condition of stitching	✓
Control lines	Inspect for damage wear, security of knots. Inspect lite vent weight.	✓
Control lines attachments	Inspect for damage wear, security of knots	✓
Control lines pulleys	Inspect for damage, wear, free running, contamination, security of attachment	✓
Findings / remarks:		

Repair Station:	Order No:
CRS# B51TL640K	200647

5. Basket

Part	Check / Inspect	Pass / Fail (✓) / (x)
Basket body	Check the general condition of the basket body. Inspect weave for damage, cracks / holes. No sharp objects inside the basket	✓
Basket wires	Inspect for damage, check eye rings	✓
Karabiners	Inspect for damage. Karabiner lock is working properly.	✓
Basket floor	Inspect for damage and cracks	✓
Runners	Inspect for damage	✓
Rawhide	Inspect for damage, wear and attachments to the floor	✓
Rope handles	Inspect for damage, security of attachment	✓
Cylinder straps	Inspect for damage, deterioration	✓
Padded basket edge trim	Inspect for damage and wear	✓
Burner rods	Inspect for damage, wear and cracking	✓
Padded burner rod covers (4 / 8 pcs.)	Inspect for damage and wear	✓
Basket equipment	Check presence and functionality of drop line, fire extinguisher, fire blanket	✓
Basket padding (if fitted)	Inspect for damage and wear	✓
Pilot Restrain harness (if fitted)	Inspect for damage, wear, security of attachment	
Basket door (if fitted)	See Maintenance manual Supplement B.2202-D&S, par. 7.14.4.8	
Basket seat (if fitted)	See Maintenance manual Supplement B.2202-D&S, par. 7.14.4.9	
Removable partition (if fitted)	See Maintenance manual Supplement B.2202-D&S, par. 7.14.4.10	
Straining beam (if fitted)	Check tightness	
Additional basket equipment (if fitted)	Inspect for damage and wear. No sharp edges inside the basket	✓
Findings / remarks:		

Repair Station:	Order No:
CPS# B51R640K	200647

6. Ignis Burner

Part	Check / Inspect	Pass / Fail (✓) / (x)
Burner Frame <small>5-11-17 DZM7</small>	Inspect welds for cracking	✓
	Inspect tubes for distortion/deformation/cuts/gouges	✓
	Inspect frame for security of fasteners (heat shields, flexi corners)	✓
	Inspect frame lugs for wear, cracking.	✓
	Inspect general condition (corrosion, heat shields)	✓
Gimballing	Check stiffness, security of fittings	✓
Burner System	Leak check (including manifolds)	✓
Hoses	Inspect all hoses, check dates	✓
Pressure Gauges	Check Pressure Gauge reads zero when no pressure applied, lens present	✓
Pilot Valves / flame	Check Shut off, free movement, Correct Function, lubricate if necessary	✓
Whisper Valves / flame	Check Shut off, free movement, Correct Function, lubricate if necessary	✓
Main Valves / flame	Check Shut off, free movement, Correct Function, lubricate if necessary	✓
Jets	Check Security of Jets, Tighten or Replace as necessary	✓
Coils	Check for damage, distortion, security of fasteners. Inspect welds for cracking	✓
Fuel Manifolds	Check Correct Type, Inspect condition, check dates (if applicable)	✓
Height Adjustment (if fitted)	Check Function, Leaks	✓
Findings / remarks:		


Repair Station:	Order No:
CIRS# 651R640K	200647

7. Fuel tanks

Part	Check / Inspect	Pass / Fail (✓) / (x)							
		1	2	3	4	5	6	7	8
Cylinder	Check, Periodic inspections for each cylinder is valid (date) (e.g. 10 years inspection)	✓	✓	✓	✓	✓	✓		
Cylinder steel body	Inspect for damage, corrosion	✓	✓	✓	✓	✓	✓		
Liquid Valve	Inspect for damage, corrosion, correct operation	✓	✓	✓	✓	✓	✓		
	Inspect O-ring seals, Lubricate/replace as required	✓	✓	✓	✓	✓	✓		
Fixed Liquid Level Gauge	Inspect for damage, corrosion, correct operation	✓	✓	✓	✓	✓	✓		
Contents Gauge	Inspect for damage, corrosion, freedom of movement	✓	✓	✓	✓	✓	✓		
Vapor Valve	Inspect for damage, corrosion, correct operation (including regulator)								
	Inspect Quick Release Coupling for correct operation, sealing								
Padded cover	Inspect for damage	✓	✓	✓	✓	✓	✓		
Pressure relief valve	Does not indicate over pressuring	✓	✓	✓	✓	✓	✓		
Assembly	Inspect, Leak test all pressure holding joints using leak detector	✓	✓	✓	✓	✓	✓		
	Functional Test	✓	✓	✓	✓	✓	✓		
Findings / remarks:									

8. Additional equipment

Part	Check / Inspect	Pass / Fail (✓) / (x)
Instruments	Functional check	✓
Quick release	Functional check and inspect the condition of the latch, bridle and ropes for wear and deterioration. Check that the karabiners are undamaged and operate correctly.	✓
Findings / remarks:		

#	PART NUMBER	DESCRIPTION	UNIT PRICE	TOTAL	WORK ORDER	
	Customer supplied	Parts			NAME <u>Skip Nichols</u>	<div style="text-align: right;">Houston, TX 77056</div> <div style="text-align: center;">  </div>
					ADDRESS <u>[REDACTED]</u>	
					CITY: <u>Kyle, TX</u> ZIP: <u>78640</u> PHONE <u>[REDACTED]</u>	
					TYPE OR MODEL <u>Kubica BV852</u> SERIAL NUMBER <u>1076</u> REGISTRATION NUMBER <u>N2489L</u>	
					CLOSING DATE <u>8/9/2015</u> WORK ORDER# <u>200647</u> DATE RECEIVED _____ CHARGED _____ DATE PROVIDED _____ CASH CHECK _____ CREDIT CARD _____ TAKEN BY _____ AIRCRAFT TOTAL TIME <u>54.0</u>	
					SYSTEM <input type="checkbox"/> ENVELOPE <input type="checkbox"/> GONDOLA <input type="checkbox"/> BURNERS <input type="checkbox"/> TANKS <input type="checkbox"/> INSTRUMENTS <input type="checkbox"/> OTHER <input type="checkbox"/> Tech. INSTRUCTIONS; INSPECTION(S) & REPAIRS	
					Complete Annual Repairs due to burn Full nomex panel 6-7, Full Panel P1 - 7-8, Full Panel 6-7 1/3 Panel, P2 6-7, 1/2 Panel P1 5-6, 13"X20" Patch 4-5 Full Panels on P1, 11-12 and 10-11. Labor for Repairs 10 hours @ 60/hr.	
TOTAL PARTS						
MAINTENANCE RELEASE					RETAIN PARTS <input type="checkbox"/> DESTROY PARTS <input type="checkbox"/>	
DATE: <u>8/9/2015</u> PART(S) _____ MODEL <u>BV852</u> S/N: <u>1076</u> A/C TT: <u>54.0</u> The aircraft and/or component(s) identified above was repaired and inspected in accordance with current Federal Regulations and found airworthy for return to service.					I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above aircraft/component for purposes of testing, inspection or delivery. At my risk an express mechanic's lien is acknowledged on above aircraft/component to secure the amount of repairs; thereby you will not be held responsible for loss or damage to aircraft component or articles left in aircraft component in case of fire, theft, accident or any other cause beyond your control.	
Signed: <u>[Signature]</u> for (Inspector) Ballooning Adventures of Texas, Inc. CRS # B51R640K Houston, TX 77056-1707					AUTHORIZED BY _____ Any warranties on the products sold hereby are those made by manufacturer. The seller (above named dealership) hereby expressly disclaims all warranties, either expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said products.	
					FLAT RATE TOTAL LABOR TOTAL PARTS SHOP SUPPLIES PROPANE OUTSIDE WORK SUBTOTAL STATE TAX FREIGHT TOTAL AMOUNT	

WORK ORDER



Ballooning Adventures of Texas

Houston, TX 77058

NAME SKIP NICHOLS

ADDRESS [REDACTED]

CITY: KYLE, TX ZIP: 75640 PHONE 511-111-6852

WORK ORDER# **200694**

CLOSING DATE:

DATE RECEIVED 9/26/15

CHARGED:

CASH CHECK:

DATE PROMISED 9/26/15

CREDIT CARD

TAKEN BY:

TYPE OR MODEL	SERIAL NUMBER	REGISTRATION NUMBERS	AIRCRAFT TOTAL TIME
<u>Kurbier BV852</u>	<u>107L</u>	<u>N2469L</u>	<u>71.0</u>

#	PART NUMBER	PARTS DESCRIPTION	UNIT PRICE	TOTAL	SYSTEM <input type="checkbox"/> ENVELOPE <input checked="" type="checkbox"/> GONDOLA <input type="checkbox"/> BURNERS <input type="checkbox"/> TANKS <input type="checkbox"/> INSTRUMENTS <input type="checkbox"/> OTHER <input type="checkbox"/>	INSTRUCTIONS; INSPECTION(S) & REPAIRS			
		<u>SUPPLIED BY CUSTOMER</u>			Tech.	<u>PATCHED & REPLACED PARTIAL PANELS GORE 6, 7, 2, 8 ROW A</u>			
						<u>3:45 @ 1/HR</u>			<u>00</u>

TOTAL PARTS

RETAIN PARTS ☐

DESTROY PARTS ☐

DATE: 9/26/15 PART(S) 107L AC TT: 71.0

MODEL K-BV852 S/N: 107L AC TT: 71.0
The aircraft and/or component(s) identified above was repaired and inspected in accordance with current Federal Regulations and found airworthy for return to service.

Signed: [Signature] for

(Inspector)

Ballooning Adventures of Texas, Inc.

CRS # B51R640K

I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above aircraft/component for purposes of testing, inspection or delivery. At my risk an express mechanic's lien is acknowledged on above aircraft/component to secure the amount of repairs; thereto you will not be held responsible for loss or damage to aircraft component or articles left in aircraft/component in case of fire, theft, accident or any other cause beyond your control.

AUTHORIZED BY [Signature]

Any warranties on the products sold hereby are those made by manufacturer. The seller (above named dealership) hereby expressly disclaims all warranties, either expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said products.

TOTAL LABOR	<u>00</u>
TOTAL PARTS	
SHOP SUPPLIES	
PROPANE	
OUTSIDE WORK	
SUBTOTAL	
STATE TAX	
FREIGHT	
TOTAL AMOUNT	<u>00</u>

[illegible]

WORK ORDER							Ballooning Adventures of Texas Houston, TX 77056			
NAME <u>SKIP NICHOLS</u>										
ADDRESS [REDACTED]							CLOSING DATE:			
CITY: <u>KYLE, TX</u> ZIP: <u>78640</u> PHONE: [REDACTED]							WORK ORDER# <u>200694</u>			
							DATE RECEIVED <u>9/26/15</u>		CHARGED:	
							DATE PROMISED <u>9/26/15</u>		CASH CHECK:	
									CREDIT CARD	
									TAKEN BY:	
TYPE OR MODEL <u>KUDISER BV85L</u>		SERIAL NUMBER <u>107L</u>		REGISTRATION NUMBERS <u>N2469L</u>		AIRCRAFT TOTAL TIME <u>71.0</u>				
#	PART NUMBER	PARTS DESCRIPTION		UNIT PRICE	TOTAL	SYSTEM <input type="checkbox"/> ENVELOPE <input checked="" type="checkbox"/> GONDOLA <input type="checkbox"/> BURNERS <input type="checkbox"/> TANKS <input type="checkbox"/> INSTRUMENTS <input type="checkbox"/> OTHER <input type="checkbox"/> INSTRUCTIONS; INSPECTION(S) & REPAIRS				
		<u>SUPPLIED BY CUSTOMER</u>				Tech. <u>PATCHED & REPLACED PARTIAL PANELS ROWS 6, 7, & 8</u>				
						<u>3.45 @ [REDACTED]/HR</u>				
TOTAL PARTS						RETAIN PARTS <input type="checkbox"/> DESTROY PARTS <input type="checkbox"/>				
DATE: _____		PART(S)		I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above aircraft/component for purposes of testing, inspection or delivery. At my risk an express mechanic's lien is acknowledged on above aircraft/component to secure the amount of repairs; thereto you will not be held responsible for loss or damage to aircraft component or articles left in aircraft/component in case of fire, theft, accident or any other cause beyond your control.			TOTAL LABOR [REDACTED] 00			
MODEL <u>BV85L</u> S/N: <u>107L</u> A/C TT: <u>71.0</u>								TOTAL PARTS		
The aircraft and/or component(s) identified above was repaired and inspected in accordance with current Federal Regulations and found airworthy for return to service. Signed: [Signature] for (Inspector) Ballooning Adventures of Texas, Inc. CRS # B51R640K						SHOP SUPPLIES				
						PROPANE				
						OUTSIDE WORK				
AUTHORIZED BY _____						SUBTOTAL				
Any warranties on the products sold hereby are those made by manufacturer. The seller (above named dealership) hereby expressly disclaims all warranties, either expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, and neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said products.						STATE TAX				
						FREIGHT				
						TOTAL AMOUNT [REDACTED] 00				