NTSB Accident /Incident Number National Transportation Safety Board FACTUAL REPORT AVIATION A T L 0 2 F A 0 7 4 A Supplement A --- Wreckage Documentation, Single and Twin Reciprocating Engine and Unpowered Aircraft 1 Engine #1 Serial # 2 Engine #2 Serial # 3 Supercharger Installed 4 Turbocharger Installed 5 Propeller Manufacturer Model/Series 1 Yes 1 Yes 3206-15 M76AM-2 SENSENCH 2 X No 2 🛛 No A. Other N/A A. Other A. Other A. Other A. Other A. Other 7 Propeller Type (Multiple entry) 5 Ground Adjustable/variable 8 Aircraft STOL Modification Installed 1 Wood 6 Reversable 1 Tyes 2 X Metal 7 Full automatic feathering 2 🔀 No 3 Composite 8 Full manual feathering A. Other 4 X Constant speed-controllable pitch A. Other 10 Left Main 11 Right Main Landing Gear 9 Nose/Tail For Rotorcraft or **Positions** 1 🔲 Up 1 🔲 Up 1 🔲 Up (If fixed gear, Ballon accidents, go 2 Down 2 Down 2 Down go to block 12) to block 20 3 Intermediate 3 Intermediate 3 Intermediate A. Other FIXED A. Other FIXED A. Other FIXED 13 Right Trailing Edge Flap 14 Speed Brakes **Control Surface** 12 Left Trailing Edge Flap 15 Spoiler **Positions** 1 X Not Installed 1 X Not Installed 1 🗌 Up 1 🗌 Up 2 Stowed 2 Stowed A. Other _ A. Other ____ deg __ deg 3 Deployed 3 Deployed 4 Deployed Asymetrically N/A N/A B. Other A. Other B. Other A. Other 17 Right Aileron Trim Tab 16 Left Aileron 18 Rudder 19 Elevator/Stabilator/Ruddervator 1 X Not Installed Positions 1 X Not installed 1 Not Installed 1 Neutral 2 Neutral 2 Neutral 2 Neutral 2 🛛 Up 3 🗌 Up 3 □ Up 3 Left 3 Down 4 Down 4 Down 4 Right A _____ 1/2 ____ deg. A _____ deg A _____ deg A _____ deg B Other B. Other B. Other B. Other 20 Cargo Restraint Installed (Multiple Cargo Restraint 21 Cargo Restraint Used (Multiple 22 Cargo Restraint Failed (Multiple entry) 1 None (Go to Block 26) System 1 None 1 None (Go to Block 26) 2 Cargo Net 2 Cargo Net 2 Cargo Net 3 Straps/tie down 3 Straps/tie down 3 Straps/tie down A Other A Other Complete when weight and/or center of gravity limitations are exceeded on Computed Weight and Balance Informationaccident flight (Otherwise go to block 32) **Takeoff** 27 Center of Gravity 26 Weight 28 CG Range (Multiple entry) A ______% MAC _____% MAC A ______% MAC 1 At takeoff weight _Lbs B _____Inches to ____ 2 At max gross weight _Inches Inches 32 Fuel on Board At Accident **Accident**

31 CG Range (Multiple entry)

1 At takeoff weight A ______% MAC _____% MAC

2 At max gross weight B ____ Inches ____ Inches

30 Center of Gravity

A ______% MAC or

B Inches

29 Weight

1 X Estimated

2 Verified

B Other

A Total gallons ___

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Wreckage Documentation, Single and Twin Reciprocating Engine and Unpowered Aircraft (continued)																			
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33 Left Wing	8					×				×		×							
34 Right Wing										·							†		
35 Left Tip	-								1			† –	1						
36 Right Tip																			
37 Fuselage									1				T	_			+		
38 (Specify) NOSE	12			<u>-</u>	-	×			1	X		×		十					
41 Fuel Found in #1 E 1 None 2 Lines 3 Gascolator/s 4 Carburetor/ f 5 Engine drive 6 Auxiliary fuel	strainer fuel injector n pump	7 8 9 3 e 10 A.	Select Fuel n Accum	Accumulator tank Forward Forward Fuel Found in #2 Engine (Multiple entry) 1 None 7 Filter(s) 2 Lines 8 Selector valve 3 Gascolator/strainer 9 Fuel manifold/spider 4 Carburetor/ fuel injector 10 Accumulator tank Forward 5 Engine driven pump A. Other N/A							old/spi								
43 Flight Controls, Evidence or Operational Failure or Malfunction (Multiple entry) 1 None 2 Pitch control 3 Roll control	ne/Structure entry) None Helicopter General Left wing Right wing Left stab/e	(Complet	te Supp.	7 8 9 10	Right stal Vertical fit Canard Powerpla Cargo/ca	b/eleva in/rudde ant	ator er i	of Se 1 2	In-Fligi	ht on/Failu S									
4 Yaw control		17 Fuel, E		of Impro	per Grad	le or		48	8 Oil, Evidence of Improper Grade or Contamination (Multiple entry)										
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Emergency Local	tor Trans	smitter (E	£LT) inf	ormati	on :		Parties Parties					mil.		11.71					
51 ELT Manufacturer EMER BEACO A Other			un	unreadable 1 Cockpit						pit	Location(s) (Multiple entry)								
52 ELT Battery Type			54 EL	T Battery	/ Expirat	ion Date	(Nos for	M, D, Y	0	2 <u> </u>	_ Cabii ∑ Tailo			5 6	∐ R	katt Survival	l L/ ;+		
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2 Cadmiu	6 🗌 L	_ithium	~	1/3 1/00	,					٠ ـ	p.	21 III LUGU		Α	Other				
3 ∐ Nicad	A Other			Other															
56 ELT - Reason for	Noneffectiv	veness/Fai	ilure (Mu	ıltiple entı	ry)														
1 Operated e 2 Insufficient 3 Improper in 4 Battery dea 5 Battery con	t G's nstallation ad	6 7 8 9 10	Incor	ery installa rrect batte damage act damag anna broke	ery ge		12 🗍 U 13 🗎 S 14 🔲 S		arme I by w I by te	ed wreckaç errain	17 Signal direction altered by terrain 18 Packing device still installed								

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FACTUAL REPURT																			
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Engine #1 Seria									5 Pro	pelle	ler 6 Propeller								
16314-27A		İ	_			Yes		Manufacturer Mo HARTZELL					del/Series 18F						
N/A			2 🔀 No			2 🔀 No					IZEL	<u>.L.</u>	-				_		
A. Other N/A			A. Other A. Other					71. Other						. Othe					
1 Wood 2 Metal 3 Compos	(Multiple entry) site nt speed-controllable pitch	6	Ground Adjusta Reversable Full automatic f Full manual fea er	eathering	e	·			8 /	1 [2 2	Yes No	OL Mo	dific	ation	Instal	led			
Landing Gear Positions	9 Nose/Tail 1					11 Right 1 □ ∪)			For	Rotor	cra	ft or					
(If fixed gear,	2 Down	1	n						1			ccidents, go							
go to block 12)	3 Intermediate	3 Intermediate			3 🗆 Ir)	to block 20					ı							
	A. Other FIXED	A. Other FIXED			A. Othe)											
Control Surface Positions	12 Left Trailing Edge	13 Right Trailing Edge Flap			14 Speed		4	1	5 Sp o		Not Installed								
	1 Up	·			1			1 Not Installed 2 Stowed					2 Stowed						
	A. Other							3 Deployed					3 Deployed						
	B. Other DN 1S	B. Other DN IST NOTCH			A. Other					4 Deployed Asymetrically A. Other									
rim Tab Positions	16 Left Aileron 1 Not Installed 2 Neutral 3 Up 4 Down	1 Not Installed 2 Neutral 3 Up				18 Rudder 1 Not Installed 2 Neutral 3 Left 4 Right			ed	19 Elevator/Stabilator/Rudde 1 Neutral 2 Up 3 Down					lervat	or			
	A deg	4			A deg					A deg.									
	B. Other	B. Other			B. Other					B Other UNKN									
Cargo Restraint System	20 Cargo Restraint Inc		Multiple			int Used (/		le	22			traint l	Faile	ed (Mu	ıltiple	entry)			
oyatem .	2 Cargo Net	OCK 20)	· -		【 None <i>(Go to Block 26)</i>] Cargo Net] Straps/tie down			2 [3 [✓ None☐ Cargo Net								
	3 Straps/tie dow	n		Stra							ps/tie d		า						
1.23480	A Other		A Other										Other ty limitations are exceeded on						
Computed We	eight and Balance in	forma	tion- acc	•		erwise ac			_	avity	1111110	auom	s ai	C GX	,eeu	su Çi			
Takeoff																			
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Lbs		Ī -	At max gr	-	t		A% MAC BInches to					% MAC							
Accident	<u> </u>			·							32 F	uel on				lent			
29 Weight 3	0 Center of Gravity	31 CC	Range (Mult	iple entry)								2 🔲							
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1	BInches	Inches 2 At max gross weight B Inches							inche	ວ									

NTSB Accident /Incident Number **National Transportation Safety Board** FACTUAL REPORT **AVIATION** A T L 0 2 F A 0 7 4 B Supplement A --- Wreckage Documentation, Single and Twin Reciprocating Engine and Unpowered Aircraft (continued) Fuel on Board at Accident **D** Tank Construction F Spillsafe Fittings H Fuel Leakage/Rupture **Fuel Tanks** A Gallons | B Gallons Estimated Verified Wind Othe Yes None Other Fittina 8 33 Left Wing X X X 34 Right Wing 10 X X X 35 Left Tip 36 Right Tip 37 Fuselage 38 (Specify) 41 Fuel Found in #1 Engine (Multipl entry) 42 Fuel Found in #2 Engine (Multiple entry) 1 None 1 None 7 Filter(s) 7 Filter(s) 2 X Lines 2 Lines 8 Selector valve 8 Selector valve 3 Gascolator/strainer 3 Gascolator/strainer 9 Fuel manifold/spider 9 Fuel manifold/spider 4 X Carburetor/ fuel injector 4 Carburetor/ fuel injector 10 Accumulator tank 10 Accumulator tank 5 Engine driven pump 5 Engine driven pump A. Other L/R Fuel TANK 6 Auxiliary fuel pump 6 Auxiliary fuel pump A. Other N/A 44 Airframe/Structure, Evidence of In-Flight Separation/Fallure 45 Propeller, Evidence 43 Flight Controls, 46 Powerplant, Evidence (Multiple entry) Evidence or of In-Flight of In-Flight Mechanical 1 🛛 None 7 Right stab/elevator Operational Failure Separation/Failure Malfunction 8 Vertical fin/rudder or Malfunction 2 Helicopter (Complete Supp. 1 🗌 Yes 1 Tes (Multiple entry) 3 General 9 Canard 2 🗙 No 2 🗙 No 10 Powerplant 4 Left wing 1 X None A Other 5 Right wing 11 Cargo/cabin door A Other 2 Pitch control 6 Left stab/elevator 3 Roll control 47 Fuel, Evidence of Improper Grade or 48 Oil, Evidence of Improper Grade or Contamination 4 Yaw control Contamination (Multiple entry) A Other 1 X None 1 X None 3 Contamination 3 Contamination 2 Improper grade 2 Improper grade A Other A Other Emergency Locator Transmitter (ELT) information 51 ELT Manufacturer 53 ELT Model No. 55 Preimpact ELT Location(s) (Multiple entry) **ACK TECHNOLOGY** E-01 1 Cockpit A Other A Other 2 Cabin 5 Raft 52 ELT Battery Type 54 ELT Battery Expiration Date (Nos for M. D. Y) 3 🔲 Tailcone 6 Survival Kit 1 Alkaline 5 Nickel 4 X Empennage 01/31/07 2 Cadmiu A Other 6 | Lithium 3 Nicad A Other A Other 56 ELT - Reason for Noneffectiveness/Failure (Multiple entry) 16 Test satisfactorily after accident 1 Operated effectively 6 Battery installation incorrect 11 Water submersion 17 Signal direction altered by terrain 2 Insufficient G's 7 Incorrect battery 12 X Unit not armed

13 Shielded by wreckage

14 Shielded by terrain

1 Internal failure

8 Fire damage

9 Impact damage

10 Antenna broken/disc.

3 Improper installation

4 Battery dead

5 Battery corroded

18 Packing device still installed

19 Remote switch off

A Other