

THE BURNTHROUGH RESISTANCE OF
THERMAL/ACOUSTIC INSULATION MATERIALS

Client :	Capital Aviation, Inc	Test No.:	TA 14010		
P. O. No.:	300489	Date.:	7/9/2010		
		Work Order #	657		
MATERIAL DESCRIPTION					
Type of Material:	Burnthrough Insulation				
TESTING DATA					
Conditioning Date:	7/6/2010	Conditioning Time:	8:00 AM		
Testing Date:	7/9/2010	Testing Time:	8:49 AM		
PRE-CALIBRATION					
BTU 30 SECOND AVERAGE	49.3				
SEVEN THERMOCOUPLES 30 SECOND AVERAGE	15 0 0 97 90 81 61				
INTAKE AIR SPEED	FUEL TEMP	ROOM TEMP			
2153	96.72	105			
TEST RESULTS					
SPECIMEN NUMBER	TIME OF BURNTHROUGH	BACK SIDE HEAT FLUX MAX			
		LEFT SIDE	TIME OF MAX.	RIGHT SIDE	TIME OF MAX.
Specimen 1	3 min. 59 sec	1.86	3 min. 58 sec	1.34	3 min. 59 sec
Specimen 2	3 min. 59 sec	1.84	3 min. 59 sec	1.33	3 min. 59 sec
Specimen 3	3 min. 56 sec	1.84	3 min. 59 sec	1.33	3 min. 59 sec
POST-CALIBRATION					
BTU 30 SECOND AVERAGE	46.7				
SEVEN THERMOCOUPLES 30 SECOND AVERAGE	15 0 0 141 119 86 60 102				
INTAKE AIR SPEED	FUEL TEMP	ROOM TEMP			
2153	141	102			
COMMENTS:	All specimens passed at 4 minutes and 0 sec				
TEST RESULTS:	<input checked="" type="checkbox"/> PASS				
FAA FAR § 25.856 (b); APPENDIX F, Part VII -- Test Method To Determine the Burnthrough Resistance of Thermal/Acoustic Insulation Materials					

WITNESSED AND APPROVED BY:



Ethel J. Dawson, General Manager

FORM NO. 118



July 09, 2010

Mr. Scot Weber
Capital Aviation, Inc.
5500 Phillip J. Rhodes
Wiley Post Airport, Hanger 2
Bethany, OK 73308

Dear Mr. Weber,

Enclosed is the Flammability Certificate resulting from a burn through resistance test of thermal/acoustic insulation material performed by AccuFleet Testing Services for Unifrax Corp. on July 09, 2010 under purchase order number 300489 and AccuFleet work order number 657.

AccuFleet test number TA 14010 represented:

Type of material: Thermal/Acoustic Insulation, from Capital Aviation, Inc.

DVD recordings were made of this test.

The test operator was Elizabeth Huff and the witnessing DERT was Ethel J. Dawson.

To pass this test, at least three test of thermal/acoustic insulation material must be tested and all three must pass. There must be no flame penetration and back side BTU's must not exceed 2.0 BTU's of any specimen within 4 minutes after application of the flame source. This test was run a time of five and half minutes and passed in every aspect.

The Test passed and are in compliance with FAA FAR § 25.856 (b); APPENDIX F, Part VII -- Test Method to Determine the Burn through Resistance of Thermal/Acoustic Insulation Materials.

Sincerely,
AccuFleet Testing Service, Inc

A handwritten signature in blue ink, appearing to read "Ethel J. Dawson".

Ethel J. Dawson
General Manager/Chief Inspector
DERT/DARF Consultant

Enclosures