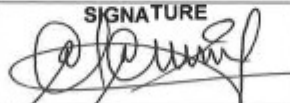



RADIOGRAPHIC INSPECTION REPORT

Page 1 of 2

Report No.: EASB/RT/2022-005

WORK ORDER NO. BWS-0275	P. O. NUMBER BWS-0275	CUSTOMER	TECHNICAL REFERENCE ASTM E1742-18 STANDARD PRACTICE RADIOGRAPHIC EXAMINATION
DESCRIPTION : PART NUMBER : SERIAL NUMBER : AIRCRAFT TYPE : REG. NO.: QUANTITY : MATERIAL :		NDI OF MAIN ROTOR BLADE 709-0103-01-109 N/A AGUSTA A109E POWER 9M-BOB (SN:11212) 01 LOCATION COMPOSITE	
EQUIPMENT USED			
BRAND NAME DANDONG AOLONG	MODEL XXG 2505	SERIAL NUMBER 201246	
FILM			
BRAND NAME CARESTREAM	TYPE D4	SIZE 14 X 17 INCH	
TECHNIQUE			
KILOVOLTS 50KV	MILLIAMPERES 5.0	TIME 0.2 MIN	FILM TO FOCUS DISTANCE 889 MM (35INCH)
PROCESSING		CHEMICALS USED	
MANUAL	●	DEVELOPER CARESTREAM	DENSITY 2 TO 3
AUTO		FIXER CARESTREAM	
INSPECTION PROCEDURE			
X-RAY INSPECTION CARRIED OUT ON MAIN ROTOR BLADE AS PER ASTM E1742-18 STANDARD PRACTICE RADIOGRAPHIC EXAMINATION.			
INSPECTION RESULTS/REMARKS			
NIL WATER INGRESS FOUND AT TIME OF INSPECTION			
REFER TO EXPOSURE NO: 0129 REFER ATTACHMENT			
CERTIFIED BY			
NAME MOHD ALAMIN BIN PARDI	SIGNATURE 	STAMP 	DATE 22 JUNE 2022

DELAMINATION INSPECTION

Po number :- BWS-0275
AIRCRAFT TYPE:- AW 109
REGISTRATION MARKING:- 9M-BOB
PART NUMBER :- 709-0103-01-109
SERIAL NUMBER :- J44994

EQUIPMENT :- SONATEST D70
SERIAL NUMBER :- I011095
DUE DATE :- 15TH APRIL 2023
PROBE TYPE :- 0°, 2.25 MHz, 0.25 inch
AEROFAB AFC-225HS
SERIAL NUMBER :- 32743

INSPECTION RESULT

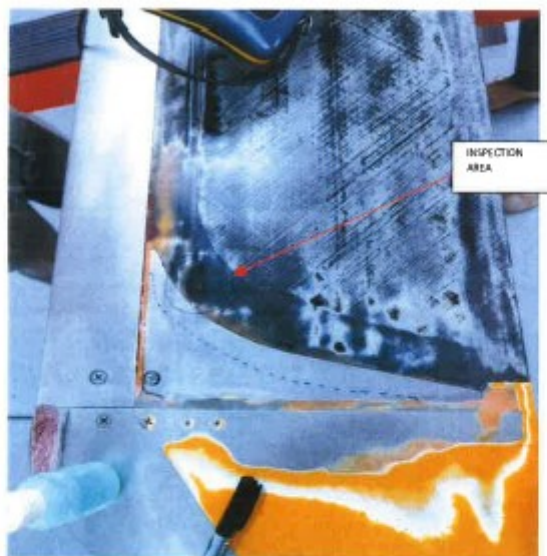


Figure 1

1. The test method using ultrasonic pulse echo.
2. Test on good area and defect area.



Tested signal at good area figure 2

1. Good area signal as per figure 2 at the circle area.

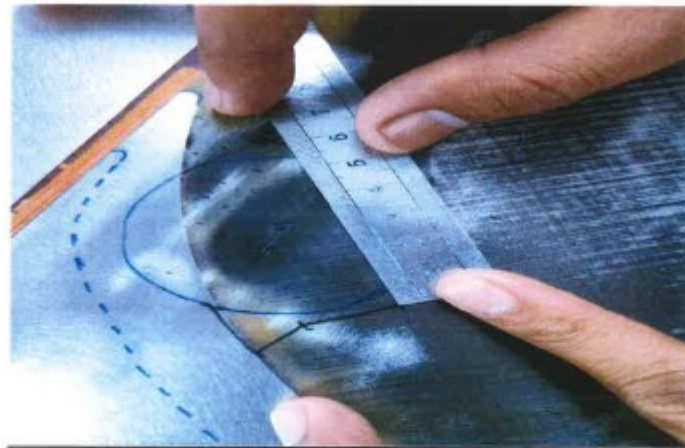


Figure 3 show drop in signal indicate delamination occur,

1. Defect signal as per figure 3 indicate drop in signal.



Extension area using pulse echo figure 4



Extension area using pulse echo figure 5