

## Alaska Industrial X-Ray Inc. 8881 Golovin Street Anchorage, Alaska 99507 907-344-4061 akxray.com

P.O #	
Date:	5/2/2022

## **REPORT OF ULTRASONIC TEST**

Customer:	Patrick Du	rand	Ultrasonic Un	it:	Sonatest Wave	Sonatest Wave		
Project:	Engine 557 Rods and Pistons		Unit Serial Nu	mber:	10018603	10018603		
Location:	AIX		Unit Cal Due:		10/11/2022			
Page:	1 of	1	Transducer Fr	req: 5 Mhz	TransSize:	.500"		
Code:	N/A		Trans Serial:	74857	Trans Mfg:	Techna NDT		
Reported to:		Patrick Durand	Couplant:	EZ gel	Material Temp	68F		
0000	All reading	s +/002"	Step Wedge		" S/N 787389	(C. 4) (C. 4)		
Identification T 557	Area 100%	No India	cations Found					
Identification	Area		- [					
	100%	, its man	Satione Found					
LT 557	100%	No India	cations Found					
UT Technician:		Craig Pritche	ett /	Date:	5/2/2022			



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## **Magnetic Particle Inspection Report**

Magnetic Particle Equipment:         S.N.:         1236         Cal Due:         6/28/2022 Verification:         5/2/2022           Amps:         DC         Current:         12DCV         Method:         Yoke Continuous           Part Detail:         N/A         Coil Dia.:         N.A         Turns:         N.A         Total Amps:         N.A           Amp Meter Model:         N.A         S.N.:         N.A         Cal Due:         N.A         Temp:         69°F           Field Indicator Model:         Magnaflux         S.N.:         34432         Cal Due:         1/28/2023	Project: Description:	Description:				_	<u>-</u> :	Date: P.O. #:	2		
Procedure: AIX-MT-001 Rev. 13	Client:	Patrick Durand					<b>-</b> 5	AIX WO:			
Magnetic Particle Equipment:           Manufacture/Model:         Parker         S.N.:         1236         Cal Due:         6/28/2022 Verification:         5/2/2022           Amps:         DC         Current:         12DCV         Method:         Yoke Continuous           Part Detail:         N/A         Coil Dia.:         N.A         Turns:         N.A         Total Amps:         N.A           Amp Meter Model:         N.A         S.N.:         N.A         Cal Due:         N.A         Temp:         69°F           Field Indicator Model:         Magnaflux         S.N.:         34432         Cal Due:         1/28/2023         Very Color:         Fluorescent           Particle Details:           Maunfacturer:         Magnaflux         Dry/Wet:         Wet         Batch #:         20/03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Bath #:         20/03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Bath #:         20/03K         Application:         Spray         Color:         Fluorescent           Bla		900 (M. 1966) ACC 1860 (M. 1966)					<b>-</b> 7;				-
Manufacture/Model:         Parker         S.N.:         1236         Cal Due:         6/28/2022 Verification:         5/2/2022           Amps:         DC         Current:         12DCV         Method:         Yoke Continuous           Part Detail:         N/A         Coil Dia.:         N.A         Turns:         N.A         Total Amps:         N.A           Amp Meter Model:         N.A         S.N.:         N.A         Cal Due:         N.A         Temp:         69°F           Field Indicator Model:         Magnaflux         S.N.:         34432         Cal Due:         1/28/2023         Temp:         69°F           Particle Details:           Manufacturer:         Magnaflux         Dry/Wet:         Wet         Batch #:         20J03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Bath Temp:         N.A         Batch Exp:         10/3/2023           Lighting Equipment           Black Light Make         FL-200         S.N.:         #N.A         Cal Done:         5/2/2022           Measured Light Intensity:         I fc         S.N.:         1964404         Cal Due:         12/20/2022	Procedure:	AIX-M1-0	001 Kev	. 13			-0	Page #:	-	1 01 1	
Amps:   DC   Current:   12DCV   Method:   Yoke Continuous   N.A   Total Rups:   N.A   Total Rups:   N.A   Rup Meter Model:   N.A   S.N.:   N.A   Cal Due:   N.A   Total Rups:   N.A   Total Rups:   N.A   Total Rups:   N.A   Rup Meter Model:   Magnaflux   S.N.:   34432   Cal Due:   1/28/2023	Magnetic I	article Eq	uipm	ent:							
Part Detail:         N/A         Coil Dia:         N.A         Turns:         N.A         Total Amps:         N.A           Amp Meter Model:         N.A         S.N.:         N.A         Cal Due:         N.A         Temp:         69°F           Particle Details:         Magnaflux         Dry/Wet:         Wet         Batch #:         20103K         Application:         Spray         Color:         Fluorescent Pluorescent Pluoresc	Manufacture/	Model:		Parker	S.N.:	1236	Cal Due:	6/28/2022	Verification:	5/2/2022	
Amp Meter Model:         N.A         S.N.:         N.A         Cal Due:         N.A         Temp:         69°F           Field Indicator Model:         Magnaflux         S.N.:         34432         Cal Due:         1/28/2023         Temp:         69°F           Particle Details:           Manufacturer:         Magnaflux         Dry/Wet:         Wet         Batch #:         20J03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Batch Temp:         N.A         Batch Exp:         10/3/2023           Lighting Equipment           Black Light Make         FL-200         S.N.:         #N/A         Cal Done:         5/2/2022           Light Meter Make         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           UV Meter Make:         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           Measured Light Intensity:         1 fc         Steel         Steel         Remarks           Location:         AIX         Surface Condition:         As Prepared         No indications of cracking were found           Location: <t< td=""><td>Amps:</td><td>_</td><td></td><td>DC</td><td>Current:</td><td>12DCV</td><td>Method:</td><td></td><td>Yoke Continu</td><td>uous</td><td></td></t<>	Amps:	_		DC	Current:	12DCV	Method:		Yoke Continu	uous	
Field Indicator Model:         Magnaflux         S.N.:         34432         Cal Due:         1/28/2023         Variable of the part	Part Detail:	-		20000000	Televiciani in the control of the co	N.A	Turns:	N.A		N.A	
Particle Details:           Manufacturer:         Magnaflux         Dry/Wet:         Wet         Batch #:         20J03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Batch Temp:         N.A         Batch Exp:         10/3/2023           Light Ingression           Black Light Make         FL-200         S.N.:         #N/A         Cal Done:         5/2/2022           Light Meter Make         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           UV Meter Make:         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           Measured Light Intensity:         I fe         S.N.:         1964404         Cal Due:         12/20/2022           Location:         AIX         Surface Condition:         As Prepared         Steel         Steel           Identification         Area         Interpretation         Reject         Remarks           Identification         Area         Interpretation         No indications of cracking were found           Interpretation         Small crack found on chamfered end of rod	The state of the s		N.A	District Parkets	200000000000000000000000000000000000000	Cal Due:	N.A	Temp:	69°F		
Manufacturer:         Magnaflux         Dry/Wet:         Wet         Batch #:         20J03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Bath Temp:         N.A         Batch Exp:         10/3/2023           Lighting Equipment           Black Light Make         FL-200         S.N.:         #N/A         Cal Done:         5/2/2022           Light Meter Make         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           UV Meter Make:         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           Measured Light Intensity:         I fc         As Prepared         Steel         Steel         Steel           Location:         AIX         Surface Condition:         As Prepared         Steel         Remarks           Surface Temp:         60f         Material:         Steel         No indications of cracking were found           T 557         100%         Small crack found on chamfered end of rod	Field Indicato	or Model: Magnaflux S.N.: 3		34432	Cal Due:	1/28/2023	-				
Manufacturer:         Magnaflux         Dry/Wet:         Wet         Batch #:         20J03K         Application:         Spray         Color:         Fluorescent           Make:         14AM         Concentration:         N.A         Bath Temp:         N.A         Batch Exp:         10/3/2023           Lighting Equipment           Black Light Make         FL-200         S.N.:         #N/A         Cal Done:         5/2/2022           Light Meter Make         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           UV Meter Make:         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           Measured Light Intensity:         I fc         As Prepared         Steel         Steel         Steel           Location:         AIX         Surface Condition:         As Prepared         Steel         Remarks           Surface Temp:         60f         Material:         Steel         No indications of cracking were found           T 557         100%         Small crack found on chamfered end of rod	Particle De	etails:									
Make:         14AM         Concentration: N.A         Bath Temp:         N.A         Batch Exp:         10/3/2023           Lighting Equipment           Black Light Make         FL-200         S.N.:         #N/A         Cal Done:         5/2/2022           Light Meter Make         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           UV Meter Make:         Spectroline XP-2000         S.N.:         1964404         Cal Due:         12/20/2022           Measured Light Intensity:         1 fc         S.N.:         1964404         Cal Due:         12/20/2022           Location:         AIX         Surface Condition:         As Prepared         Steel         Seemarks           Surface Temp:         60f         Material:         Steel         No indications of cracking were found           T 557         100%         Small crack found on chamfered end of rod			naflux	Dry/Wet:	Wet	Batch #:	20J03K	Application:	Spray	Color:	Fluorescent
Slack Light Make	Make:	14	AM	Concentra	tion: N.A		Bath Temp:			10/3/2023	
Slack Light Make	T . 1	•									
Light Meter Make   Spectroline XP-2000   S.N.: 1964404   Cal Due: 12/20/2022   UV Meter Make: Spectroline XP-2000   S.N.: 1964404   Cal Due: 12/20/2022   Measured Light Intensity: 1 fc    Location: AIX Surface Condition: As Prepared   Steel    Surface Temp: 60f Material: Steel   Reject    Identification   Area   Interpretation   Remarks    Accept   Reject   No indications of cracking were found    LT 557   100%   Small crack found on chamfered end of rod								200	600.0000	12 172	
UV Meter Make: Spectroline XP-2000  Measured Light Intensity: 1 fc  Location: AIX Surface Condition: As Prepared Surface Temp: 60f Material: Steel    Identification   Area   Interpretation   Remarks						_					
Measured Light Intensity:     1 fc       Location:     AIX     Surface Condition:     As Prepared       Surface Temp:     60f     Material:     Steel       Identification     Area     Interpretation     Remarks       Accept     Reject       T 557     100%     No indications of cracking were found       LT 557     100%     Small crack found on chamfered end of rod	2.72	- Y-				=				■Great Company	
Location: AIX Surface Condition: As Prepared Surface Temp: 60f Material: Steel    Identification				-2000	_		S.N.:	1964404	Cal Due:	12/20/2022	
Surface Temp: 60f Material: Steel    Identification	Measured Light	Intensity:		1 fc		-					
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Accept Reject  T 557 100% No indications of cracking were found  LT 557 100% Small crack found on chamfered end of rod	Surface Temp:	A section of the sect									
Accept Reject  T 557 100% No indications of cracking were found  LT 557 100% Small crack found on chamfered end of rod		Identifi	cation		ΙΔrea	I Intern	Interpretation Demonis				
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LT 557 100% Small crack found on chamfered end of rod	2007		100%		- August	No in	No indications of cracking were found				
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We, the undersigned, certify that the statements in this record are correct and the part(s) were prepared and tested in accordance with	We, the undersi		hat the s	tatements in this i	ecord are corre	ct and the part	(s) were prepar	ed and tested	in accordance v	with	
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Test Date: 5/2/2022 Representative:	the following co		chett	5/2/2022	#	<b>=</b> : =:			7	Patrick Duranc	<u> </u>