

50-322 0L

COUNTY #75

I-75
10/23/84
Q-465
9/32Failure
Analysis
Associates

EDDY CURRENT EXAMINATION REPORT

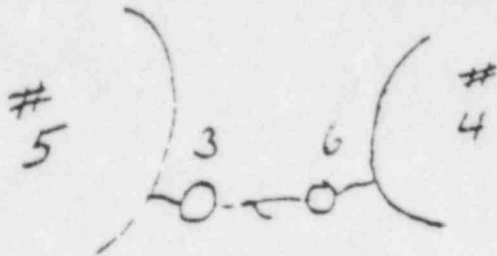
(5)

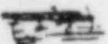
Material <u>Grey Iron Engine Block</u>		Type: <u>Engine Block</u>	Fabricated process: <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Cast <input type="checkbox"/> Worked	ET Component ID
Cross section thickness: Max. <u>NA</u> Inch		Min. <u>NA</u> Inch	Surface condition: <input checked="" type="checkbox"/> Machined <input type="checkbox"/> Ground <input type="checkbox"/> As fabricated <input type="checkbox"/> Other:	
NDE Procedure no. <u>NDE 11.6</u>		Job no. <u>7396</u> Report no. <u>8410419</u>		
Test condition: Ver. <u>NA</u> Hor. <u>NA</u> Unit <u>B010881</u> Sen. <u>13</u> Freq. <u>2 MHz</u> Full-on <u>NA</u> Full-off <u>NA</u> Reference no. <u>PA033134</u> Probe type <u>100T-2</u> <u>840327</u>		<u>26</u> Unit at <u>7.6</u> Lo _____ Unit at _____ Lo _____ Unit at _____ Lo _____ Unit at _____ Lo		
Indication no.	Magnitude of indication	Length of indication	Remarks	Job name & no.
<u>#1</u>	<u>200-50%</u>	<u>3 7/8</u>	<u>stud #3 cyl #5 crater extend down on outside stud hole</u>	
Specific examination area				Lat/Location
<u>INSPECT STUD HOLE</u>				<u>D6103</u>
8412130297 841023 PDR ADOCK 05000322 PDR				
Sketch or other data (use other side)				
Acceptance criteria	NDE 11.6		Operator: <u>D. Johnson</u> Level: <u>II</u> Date: <u>4-17-84</u>	
Attest	<u>Don Johnson</u> Responsible certified personnel		<u>II</u> Level Date	(11)

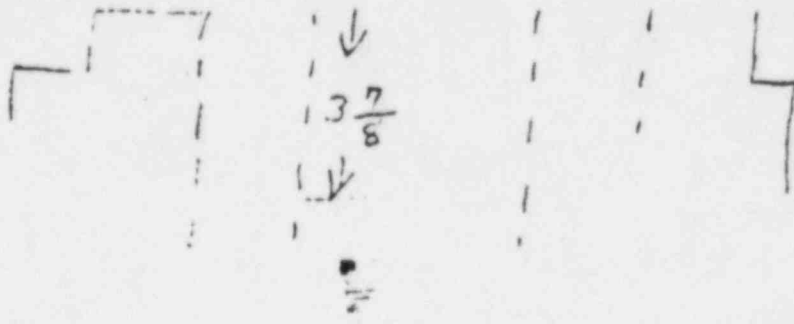
CYL #5
HOLE #3 & 6

5A
Q-465
10/32

Exhaust



CRACK IN
STUD HOLE #3
 3 7/8



106103

(12)

Material <u>GRAY IRON Engine Block</u>		Type: <u>Engine Block</u>		Fabricated process: <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Cast <input type="checkbox"/> Worked		ET
Cross section thickness:		Max. <u>NA</u> Inch	Min. <u>NA</u> Inch	Surface condition: <input checked="" type="checkbox"/> Machined <input type="checkbox"/> Ground <input type="checkbox"/> As fabricated <input type="checkbox"/> Other:		Component I.D.
NDE Procedure no. <u>NDE 11.6</u>				Job no. <u>2396</u>	Report no. <u>840418</u>	
Test condition: Vol. <u>NA</u> Hor. <u>NA</u>		Unit at <u>3</u> Lo		Unit at <u>-8</u> Lo		Job name & no.
Unit # <u>B010581</u> Sen. <u>29</u> Freq. <u>2 mHz</u>		Unit at <u>2.6</u> Lo		Unit at <u>0</u> Lo		
Full-on <u>NA</u> Full-off <u>NA</u>		Unit at <u>2</u> Lo		Unit at <u>+1.7</u> Lo		
Reference no. <u>PA0331A</u> Probe type <u>100B-1</u> <u>840227</u>		Unit at <u>1.6</u> Lo		Unit at <u>+2</u> Lo		
Indication no.	Magnitude of indication	Length of indication	Remarks			
<u>#1 by 6.5 inch</u>	<u>150-40%</u>	<u>2 1/2</u>	<u>Extends from surface past</u>			
<u>#2 by 7.5 inch</u>	<u>150-50%</u>	<u>2 1/2</u>	<u>inner landing to touch cast surface</u>			
Specific examination area						
Sketch or other data (use other side)						
Acceptance criteria	<u>NDE 11.6</u>		Operator: <u>D. Johnson</u> Level: <u>II</u> Date: <u>4-18-84</u>			
Attest	<u>D. Johnson</u> Responsible certified personnel		Level: <u>II</u> Date: <u>4-18-84</u>		Plant/location <u>DC103</u>	

EDDY CURRENT EXAMINATION REPORT

Analysis Associates

Item Inspected:

GREY IRON Engine Block cyl 8

Q-465
23/32

Material: Engine Block	<input type="checkbox"/> Welded <input type="checkbox"/> Worked	<input checked="" type="checkbox"/> Cast	Surface condition: <input checked="" type="checkbox"/> Machined <input type="checkbox"/> As fabricated	<input type="checkbox"/> Ground <input type="checkbox"/>
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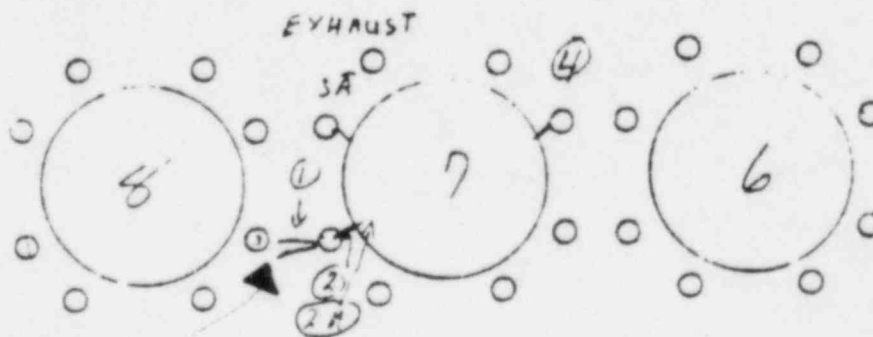
NDE Procedure no. NDE 116

Job no. 7376

Report no. 840019

Recording criteria:

Sketch or other detail (use other side if more space is needed):



Specific examination area

Indication no.	Magnitude of indication	Length of indication	Location	Remarks
①	150%	3/4"		Stud 7 to Threads
2	100%	3/4"		in Threads 1/4" INTO Stud hole & ± on surface
2A	100%	2"		TO Ruff CRIST first 1/2 SIDE LONG SIDE
3A	150%	2 1/2"		FROM Surface TO Below Landing
4	100%	1 1/2" + 1 1/2"		TO Landing + TO Tip of Threads

Examiner [Signature]

Level II

Date 4-19-84

Examiner _____

Level _____

Date _____

EDDY CURRENT EXAMINATION REPORT

Analysis
Associates

Item Inspected:

GREY IRON Engine Block

Cyl #1

Q-465
27/32

Material:

Engine Block

☐ Welded
☐ Worked

☒ Cast

Surface

condition:

☒ Machined

☐ As fabricated

☐ Ground

☐

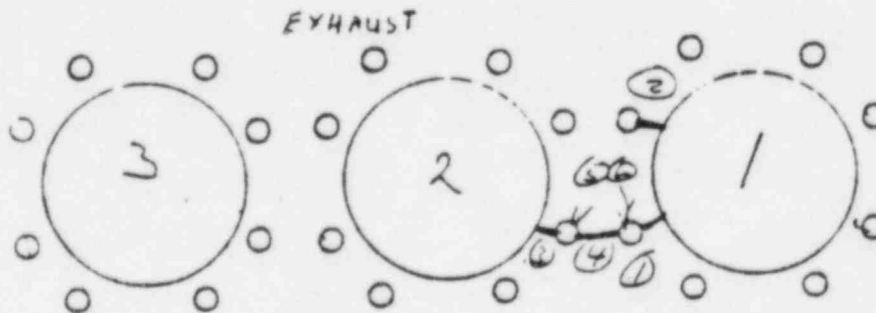
NDE Procedure
no. NDE 116

Job no. 7396

Report no. 840419

Recording criteria: NDE 116

Sketch or other detail (use other side if more space is needed):



Specific examination area

Indication no.	Magnitude of Indication	Length of Indication	Location	Remarks
①	100%	1 1/2"	①	To Landing, To Thread
2	100%	1 1/2"	2	" "
3	125%	1 1/2"	3	" "
4	200%	1 3/4"	④	from Stud hole to Stud title
5	100%	1 1/2"	5	To Thread
6	100%	1 1/2"	6	To Tip end.

Examiner

[Signature]

Level

II

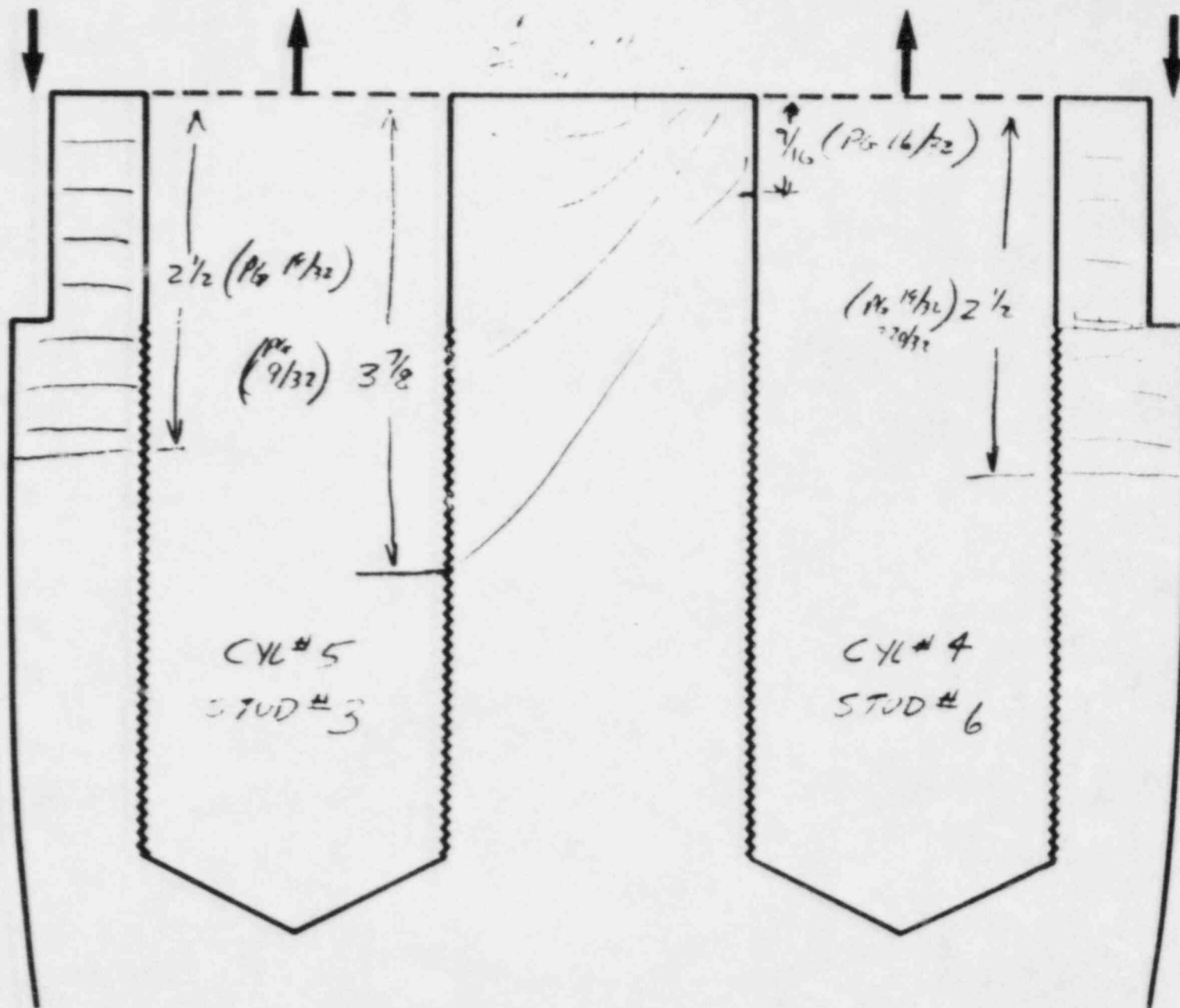
Date

4-19-84

Examiner

Level

Date



CROSS SECTION B-B