

BETA LAB NO. M10198- LS2-CS3 TEE INDICATIONS	TESORO REFINING AND MARKETING COMPANY ANACORTES REFINERY 10200 W. MARCH POINT ROAD T91WA4428 ANACORTES, WA 98221	CUSTOMER P.O. NO.: 4501667904
PART: 6600-E HEAT EXCHANGER LS2-CS3 TEE INDICATIONS PART 16-1		DATE: AUGUST 13, 2010
PAGE 45 OF 45		

LABORATORY REPORT- LS2-CS3 TEE INDICATIONS FINDINGS
Attachment 3 TEAM Industrial Service NDE Report

TEAM® Industrial Services, Inc.

Providing Quality NDE and Heat Treating Services to Industries Worldwide

5901 Harper Road
Solon, OH 44139
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MT-FORM-05 Lab and Field Technique Sheets

MAGNETIC PARTICLE EXAMINATION TECHNIQUE SHEET

Client: <u>FIRST ENERGY</u>	Technician: <u>MICHAEL BUCKLEY</u>
Facility: <u>6670 BETA DRIVE, MAYFIELD VILLAGE OHIO</u>	Date: <u>6-15-10</u>
Client PO# <u>45342412</u>	Technique # <u>1</u>
Project Description: <u>WET MAGNETIC PARTICAL TESTING</u>	Job # <u>13103168</u>

Item Data					
<input checked="" type="checkbox"/> Weld	<input type="checkbox"/> Non-Weld	<input type="checkbox"/> Structural	<input checked="" type="checkbox"/> Initial Inspection	<input type="checkbox"/> Repair	<input type="checkbox"/> Final Inspection
<input type="checkbox"/> Other: _____					
# of Parts: <u>60</u>	Base Metal: <u>S/A</u>	Filler Metal: <u>S/A</u>			
Part Description: <u>WELDS ON PLATES</u>					

Inspection Data					
<input type="checkbox"/> Dry	<input checked="" type="checkbox"/> Wet	<input type="checkbox"/> Visible	<input checked="" type="checkbox"/> Fluorescent	<input type="checkbox"/> Circular	<input checked="" type="checkbox"/> Longitudinal
<input checked="" type="checkbox"/> AC	<input type="checkbox"/> DC	<input type="checkbox"/> Prods	<input checked="" type="checkbox"/> Yoke	Prod Spacing: <u>3.5"</u>	Amperage: <u>FIXED</u>
Equipment Type/Model: <u>CONTOUR PROBE R 300</u>	Serial No.: <u>17867</u>	Color: <u>14 AM</u> Batch / Lot #: <u>109612K</u>			
Cal. Due Date: <u>12-1-10</u>	Examination Preparation Method: <u>AS RECEIVED</u>	Light Meter: <u>N/A</u> Type: <u>1</u> Serial No.: <u>N/A</u>			
Black Light S/N: <u>1693129</u>	Intensity: <u>N/A</u> <small>(µw/cm²)</small>	Demagnetization Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Method: _____			

Inspection Results	
Procedure: <u>MT ASME N2</u> Rev. _____	Acceptance Criteria: <u>ASME SECTION III</u>
Inspection Results Summary: <u>INSPECTED 6 PLATES WITH WELDS. 3 PLATE PIECES WERE FOUND TO BE NONCONFORMANTS DUE TO LINEAR INDICATIONS THOSE PART NUMBERS ARE AS FOLLOVED LS3-01 BOTTOM, LB3-01 TOP AND CS4-01. 3 PLATE PIECES WERE FOUND TO BE CONFORMANTS, PART NUMBERS ARE AS FOLLOVED LS1-01 CS2-01 TEE, AND PART# LS2-01 CS3-01 WENT TO 2 PIECES ANY INDICATION MARKED ON PIECES</u>	
<input type="checkbox"/> Accept	<input type="checkbox"/> Reject <input type="checkbox"/> See Attachments

Reported by: [Signature] Reviewed by: _____
Supervisor: _____ Contact: _____

NOTICE: This examination report reflects the actual NDT procedure which was conducted by TEAM personnel. Submission of this report is for informational purposes and does not reflect any guarantee of the part, inspection procedures, or standards and is subject to the limitations of each.

MT-FORM-05 Lab and Field Technique Sheet