

BETA LAB No.M10198- LS3 TOP	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 LS 3 TOP PART 15		DATE: SEPTEMBER 20, 2010
PAGE 53 OF 53		

LABORATORY REPORT-LS3 TOP
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
(440) 498-9494

MT-FORM-05 Lab and Field Technique Sheets
MAGNETIC PARTICLE EXAMINATION TECHNIQUE SHEET

Client: <u>FIRST ENERGY</u> Facility: <u>6670 BETA DRIVE, MAYFIELD VILLAGE OH446</u> Client PO#: <u>45342412</u> Project Description: <u>WET MAGNETIC PARTICAL TESTING</u>	Technician: <u>MICHAEL RUCKLEY</u> Date: <u>6-15-10</u> Technique #: <u>1</u> Job #: <u>13103168</u>
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Item Data		
<input checked="" type="checkbox"/> Weld	<input type="checkbox"/> Non-Weld	<input type="checkbox"/> Structural
<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Initial Inspection	<input type="checkbox"/> Repair
<input type="checkbox"/> Final Inspection		
# 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"/> AC	<input type="checkbox"/> DC	<input type="checkbox"/> Prods
<input checked="" type="checkbox"/> Fluorescent	<input type="checkbox"/> Circular	<input checked="" type="checkbox"/> Longitudinal
<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>14AM</u>
Cal. Due Date: <u>12-1-10</u>	Examination Preparation Method: <u>AS RECEIVED</u>	Batch / Lot #: <u>109612K</u>
Black Light S/N: <u>1693129</u>	Intensity: <u>N/A</u> <small>µW/cm²</small>	Light Meter: <u>N/A</u> / <u>N/A</u> <small>Type / Serial No.</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 NONCONFORMING 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 CONFORMING, 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