

# Liquid Penetrant Examination Report

Procedure: W/10-26 (Revision 10/20/04)		Developer Type: Magnalux SKD-S2		Lighting: General lighting assisted by portable lighting, 100 F.C. minimum			
Liquid Penetrant Type: Visible		Cleaner: Spot Check: SKC-5					
Penetrant Type: Magnalux SKL-WP or SKL-HF/SKL-B		All Personnel Certified to ASME and SNT-TC-1A Level III					
<p><b>Use the following abbreviations for Material Thickness of items tested:</b></p> <p>Mat'l Thickness: HB) Header Body EP) End Piece(s) N) Nozzle D) Disk PP) Perforated Plate SP) Splitter Plate MS) Mercury Strips          G) Gusset(s) IN) Injection Nozzle TJ) Transition Joint E) Elbow SGP) Sparge Pipe</p> <p><b>Use the following abbreviations for Mapped Indications of items tested:</b></p> <p><i>If more than one indication of the same type is on the same weld joint use the following abbreviation: (#) (Where # is the number of indications)</i></p> <p>Material Description: 1) End Piece/Header Body Welds 2) Nozzle/Header Body Welds 3) Header Body Seam Welds 4) Nozzle Seam Welds 5) Perm. Disk          6) Perm Disk/Nozzle Weld 7) Pipe Seam Weld 8) Elbow Seam Weld 9) Transition Seam Weld 10) Mercury Strip Welds 11) Perforated Plate Welds          12) Splitter Plate 13) Sparge Pipe Welds 14) Header Body Material 15) Nozzle Material 16) Mitered End Piece Material</p> <p>Indication: 0) No Indications 1) Linear 3) Porosity 4) Non-Fusion 5) Cold Roll 6) Splatter 7) Lamination Relevant Indications: N) Non-rejectable R) Rejectable (Must Repair)</p>							
<p><b>Use the following abbreviations for accepting/rejecting of item tested</b></p> <p>Results: A) Accepted R) Rejected AR) Accepted after Repair(s)</p> <p>Example of a Mapped Indication: A pipe seam weld with 4 relevant linear indications that needs repaired would be (4)7-2-R (if it were only 1 repair it would just be 7-2-R)</p>							
		Sales Order #		509.8-9			
Item # (s)	Description of Weld Joint or Material LPT Examined	Material & Thickness	Map of Indications	Test Date	Test Time	Examiner	Results
1302	A-IN	(HB.375)(EP1.00)(N.375)	0	3/1/2005	1230	P7	A
1303	A-OUT	(HB.250)(EP.500)(N.322) (D.625)	0	3/1/2005	1300	P7	A
1304	B-IN	(HB1.00)(EP1.00)(N.432)	1-1-N	2/27/2005	0900	P7	A
1305	B-OUT	(HB.750)(EP.750)(N.432)	0	2/26/2005	0945	P7	A
1306	C-IN	(HB.750)(EP.750)(N.237)	0	2/26/2005	0945	P7	A
1307	C-OUT	(HB.375)(EP.625)(N.216)	0	3/1/2005	0845	P7	A
1308	D-IN	(HB.375)(EP.625)(N.154)	0	2/26/2005	0800	P7	A
1309	D-OUT	(HB.500)(EP1.00)(N.237)	0	2/26/2005	0745	P7	A

# Liquid Penetrant Examination Report

Procedure: WI 10-26 (Revision 10/20/04) Liquid Penetrant Type: Visible Penetrant Type: Magnaflux SKL-WP or SKL-HF/SKL-6		Developer Type: Magnaflux SKD-S2 Cleaner: Spot Check: SKC-5 All Personnel Certified to ASME and SNT-TC-1A Level II		Lighting: General lighting assisted by portable lighting, 100 F-1C minimum			
<b>Use the following abbreviations for Material Thickness of items tested:</b> Mat'l Thickness: HB) Header Body EP) End Piece(s) N) Nozzle D) Disk PP) Perforated Plate SP) Splitter Plate MS) Mercury Strips G) Gusset(s) IN) Injection Nozzle TJ) Transition Joint E) Elbow SGP) Sparge Pipe							
<b>Use the following abbreviations for Mapped Indications of items tested:</b> If more than one indication of the same type is on the same weld joint use the following abbreviation: (#) (Where # is the number of indications) Material Description: 1) End Piece/Header Body Welds 2) Nozzle/Header Body Welds 3) Header Body Seam Welds 4) Nozzle Seam Welds 5) Perm. Disk 6) Perm Disk/Nozzle Weld 7) Pipe Seam Weld 8) Elbow Seam Weld 9) Transition Seam Weld 10) Mercury Strip Welds 11) Perforated Plate Welds 12) Splitter Plate 13) Sparge Pipe Welds 14) Header Body Material 15) Nozzle Material 16) Mitered End Piece Material Indication: 0) No Indications 1) Rounded 2) Linear 3) Porosity 4) Non-Fusion 5) Cold Roll 6) Splatter 7) Lamination Relevant Indications: N) Non-rejectable R) Rejectable (Must Repair)							
<b>Use the following abbreviations for accepting/rejecting of item tested</b> Results: A) Accepted R) Rejected AR) Accepted after Repair(s)							
Example of a Mapped Indication: A pipe seam weld with 4 relevant linear indications that needs repaired would be (4)7-2-R (if it were only 1 repair it would just be 7-2-R)							
		Sales Order #		509.8-9			
Item # (s)	Description of Weld Joint or Material LPT Examined	Material & Thickness	Map of Indications	Test Date	Test Time	Examiner	Results
1310	E-IN	(HB.203)(EP.375)(N.145)	0	2/28/2005	1030	P7	A
1311	E-OUT	(HB.375)(EP1.00)(N.216)	0	3/1/2005	0930	P7	A
1312	F-IN	(HB.250)(EP.375)(N.365)	0	2/28/2005	1300	P7	A
1313	F-OUT	(HB.250)(EP.375)(N.375)	0	2/27/2005	1100	P7	A
1314	G-IN	(HB.250)(EP.375)(N.250)	0	3/2/2005	0745	P7	A
1315	G-OUT	(HB.250)(EP.500)(N.250)	0	3/2/2005	0945	P7	A
1477	PERM DISK B/4	(D.625)	0	2/24/2005	0930	P7	A
1468	NOZZEL SEAM	(N.250)	0	2/28/2005	0945	P7	A

## Liquid Penetrant Examination Report

Procedure: WI 10-26 (Revision 10/20/04) Liquid Penetrant Type: Visible Penetrant Type: Magnaflux SKL-WP or SKL-HF/SKL-6		Developer Type: Magnaflux SKD-S2 Cleaner: Spot Check: SKC-5 All Personnel Certified to ASME and SNT-TC-1A Level II		Lighting: General lighting assisted by portable lighting. 100 F.T.C minimum	
<b>Use the following abbreviations for Material Thickness of items tested:</b> Mat'l Thickness: HB) Header Body EP) End Piece(s) N) Nozzle D) Disk PP) Perforated Plate SP) Splitter Plate MS) Mercury Strips G) Gusset(s) IN) Injection Nozzle TJ) Transition Joint E) Elbow SGP) Sparge Pipe					
<b>Use the following abbreviations for Mapped Indications of items tested:</b> <i>If more than one indication of the same type is on the same weld joint use the following abbreviation: (#) (Where # is the number of indications)</i> <b>Material Description:</b> 1) End Piece/Header Body Welds 2) Nozzle/Header Body Welds 3) Header Body Seam Welds 4) Nozzle Seam Welds 5) Perm. Disk 6) Perm Disk/Nozzle Weld 7) Pipe Seam Weld 8) Elbow Seam Weld 9) Transition Seam Weld 10) Mercury Strip Welds 11) Perforated Plate Welds 12) Splitter Plate 13) Sparge Pipe Welds 14) Header Body Material 15) Nozzle Material 16) Mitered End Piece Material <b>Indication:</b> 0) No Indications 1) Rounded 2) Linear 3) Porosity 4) Non-Fusion 5) Cold Roll 6) Splatter 7) Lamination Relevant Indications: N) Non-rejectable R) Rejectable (Must Repair)					
<b>Use the following abbreviations for accepting/rejecting of item tested</b> Results: A) Accepted R) Rejected AR) Accepted after Repair(s)					
Example of a Mapped Indication: A pipe seam weld with 4 relevant linear indications that needs repaired would be (4)7-2-R (if it were only 1 repair it would just be 7-2-R)					
Sales Order #		509.8-9			
Item # (s)	Description of Weld Joint or Material LPT Examined	Material & Thickness	Map of Indications	Test Date	Test Time
1464	NOZZEL SEAM	(N.250)	0	2/28/2005	0945
				Examiner	Results
				P7	A

# LIQUID PENETRANT EXAMINATION REPORT

Procedure: WI 10-26 (Revision 10/20/04)

Liquid Penetrant Type: Visible

Penetrant Type: Magnaflux SKL-WP or SKL-HF/SKL-6

Developer Type: Magnaflux SKD-S2

Cleaner: Spot Check: SKC-5

All Personnel Certified to ASME and SNT-TC-1A Level II

Lighting: General lighting assisted by portable lighting, 100 FTC minimum

Area Being Examined	Examiner	Test Date & Time	Weld Joint	Material & Thickness	Map of Indications	Results
A IN	P6	1330 3-11-05	Filler		0	A
A OUT	P7	3-12-05 11:45	Fillet		rounded	AR
B IN	P9	3-12-05 11:45	Fillet		rounded	AR
B OUT	P14	1330 3-11-05	Fillet		0	A
C IN	P9	3-12-05 11:45	Fillet		rounded	AR
C OUT	P14	1330 3-11-05	Fillet		0	A
D IN	P9	3-12-05 11:45	Fillet		rounded	AR
D OUT	P6	1330 3-11-05	Fillet		0	A
E IN	P9	3-12-05 11:45	Fillet		rounded	AR
E OUT	P6	1330 3-11-05	Fillet		0	A
F IN	P14	1330 3-11-05	Fillet		0	A
F OUT	P9	3-12-05 11:45	Fillet		Linear	AR
G IN	P1 / P14	1330 3-11-05	Fillet		0	A
G OUT	P6	1330 3-11-05	Fillet		0	A
ANGLES	P7	3-12-05 11:45	Fillet	6061 625	AR	AR
ANGLES	P9	3-12-05 11:45	Fillet	6061 625	AR	AR