

Liquid Penetrant Examination Report

Procedure: WI 10-25 (Revision 10/20/04)		Developer Type: Magnaflux SKD-S2		Lighting: General lighting assisted by portable lighting, 100 F/C minimum			
Liquid Penetrant Type: Visible		Cleaner: Spot Check: SKC-5					
Penetrant Type: Magnaflux SKL-WP or SKL-HF/SKL-6		All Personnel Certified to ASME and SNT-TC-1A Level II					
<p>Mat'l Thickness: HB) Header Body EP) End Piece(s) N) Nozzle D) Disk(s) PP) Perforated Plate SPP) Splitter Plate MS) Mercury Strips B) Boss C) Collar</p> <p>G) Gusset(s) IN) Injection Nozzle T-J) Transition Joint E) Aluminum Elbow S-T) Steel Elbow P) Aluminum Pipe SP) Steel Pipe SG) Sparge Pipe EH) Elliptical Head</p>							
<p>Use the following abbreviations for Material Thickness of items tested:</p> <p>Use the following abbreviations for Mapped Indications of items tested:</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/Joint Description: 1) End Piece/Header Body Welds 2) Nozzle/Header Body Welds 3) Header Body Seam Welds 4) Nozzle Seam Welds 5) Disk/Nozzle Weld 6) Aluminum Pipe Seam/Joint 7) Steel Pipe Seam/Joint 8) Aluminum Elbow Seam/Joint 9) Steel Elbow Seam/Joint 10) Transition Joint 11) Mercury Strip/Header Welds 12) Perforated Plate/Header Welds 13) Sparge Pipe Welds 14) Splitter Plate Mat'l 15) Header Body Mat'l 16) Nozzle Mat'l 17) Mitered End Piece Mat'l 18) Disk Mat'l 19) Elliptical Head/Nozzle 20) Branch Conn. 21) Collar Weld</p> <p>Indication: 0) None 1) Rounded 2) Linear Extent: Enter Size of Indication (Diameter or Length) Relavent Indications: N) Non-rejectable R) Rejectable</p>							
<p>Use the following abbreviations for accepting/rejecting of item tested</p> <p>Results: A) Accepted R) Rejected AR) Accepted after Repair(s)</p>							
		Sales Order #		509.9-13			
Item # (s)	Description of Weld Joint or Material LPT Examined	Material & Thickness	Map of Indications	Test Date	Test Time	Examiner	Results
4402	A-IN/OUT	(HB.250)&(EP1.00)&(N.280W)	0	3/16/2005	13:30	P4	A
4404	B-IN	(HB.250)(EP.625)(N.237)	0	3/17/2005	0900	P7	A
4405	B-OUT	(HB.250)(EP.625)(N.237)	0	3/17/2005	0945	P7	A
4406	C-IN	(HB.250)&(EP.625)&(N.280W)	0	3/17/2005	0900	P7	A
4407	C-OUT	(HB.250)&(EP.750)&(N.280W)	0	3/17/2005	0945	P7	A
4408	D-IN/E-IN	(HB.375)(EP1.00)(N.250)	2-2-R	3/18/2005	1400	P7/P7	AR
4411	D-OUT/E-OUT	(HB.375)(EP1.00)(N.250)	0	3/18/2005	1000	P7	A
4440	NOZZEL SEAM WELD	(N.250)	0	3/16/2005	12:30	P4	A

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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
AIN	PK	3-24-05 1000	PRESSURE	HB .250	(2) Z-25 R HB EP	A
AOUT	PK	3-24-05 1000	FILLET	HB .250	HB EP	A
BIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
BOUT	PK	3-24-05 1000	FILLET	HB .250	HB EP	A
BIN	PK	3-24-05 1000	PRESSURE	N .237W	HB EP	A
BOUT	PK	3-24-05 1000	FILLET	HB .250	HB EP	A
CIN	PK	3-24-05 1000	PRESSURE	N .237W	HB EP	A
COUT	PK	3-24-05 1000	FILLET	HB .250	HB EP	A
DIN	PK	3-24-05 1000	PRESSURE	N .237W	HB EP	A
DOUT	PK	3-24-05 1000	FILLET	HB .250	HB EP	A
EIN	PK	3-24-05 1000	PRESSURE	N .280W	(2) Z-25 R HB EP	AR A
EOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	AR A
FIN	PK	3-24-05 1000	PRESSURE	N .250W	(2) Z-25 R HB EP	AR A
FOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
GIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
GOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
HIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
HOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
IIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
IOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
JIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
JOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
KIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
KOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
LIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
LOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
MIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
MOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
NIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
NOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
OIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
OOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
PIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
POUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
QIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
QOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
RIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
ROUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
SIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
SOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
TIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
TOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
UIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
UOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
VIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
ROUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
WIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
WOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
XIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
XOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
YIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
YOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A
ZIN	PK	3-24-05 1000	PRESSURE	N .250W	HB EP	A
ZOUT	PK	3-24-05 1000	FILLET	HB .375	HB EP	A