

Summary of Inspection Document - Crane 1

Designation	Sheet Title	# of Welds	# of Sheets	VT Only Area	MT/UT/BT	Bolt Insp.	Weld Insp.	Weld L >2'	Weld L <2'	Inspector	Completed?
0-1	BOOM HINGE	8	2	0	8	4	4	0	4		
0-2	SHAFTS OF FORESTAY	18	1	0	18	0	18	0	18		
0-3	TG TO WS TGSB	14	2	0	14	0	14	10	4		
0-4	TG TO LS TGSB	14	2	0	14	0	14	10	4		
0-5	UPPER DIAGONAL TO WS TGSB	7	2	1	6	0	6	6	0		
0-6	UPPER HORIZONTAL TO WS APEX	5	2	1	4	0	4	4	0		
0-7	APEX BEAM TO BOOM LATCH	2	2	1	1	0	1	0	1		
0-8	APEX LEG TO WS TGSB	1	2	0	1	0	1	1	0		
0-9	WS LEG TO TGSB	3	2	2	1	1	0	0	0		
0-10	LS LEG TO TGSB	3	2	2	1	1	0	0	0		
0-11	WS LEG TO SILL BEAM	1	2	0	1	0	1	1	0		
0-12	LS LEG TO SILL BEAM	1	2	0	1	0	1	1	0		
0-13	LOWER DIAGONAL TO PORTAL BEAM	3	2	1	2	0	2	0	2		
0-14	LOWER DIAGONAL TO WS LEG	9	2	1	8	0	8	0	8		
0-15	LOWER DIAGONAL TO LS LEG	9	2	1	8	0	8	0	8		
0-16	GIRDER HINGE	5	2	0	5	0	5	0	5		
0-17	HORIZONTAL DIAGONAL TO LS TGSB	3	2	1	2	0	2	2	0		
0-18	HORIZONTAL DIAGONAL TO WS TGSB	3	2	1	2	0	2	2	0		
0-19	UPPER DIAGONAL TO LS APEX BEAM	10	2	2	8	0	8	4	4		
0-20	APEX LEG TO LS TGSB	1	2	0	1	0	1	1	0		
0-21	SHAFTS OF BACKSTAY SYSTEM	16	1	0	16	0	16	0	16		
1-0	FORESTAY BAR SYSTEM										
1-1	DRAWBAR 1-1 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
1-2	TIE PLATE 1-2 INSPECTION LOCATIONS	2	2	1	1	0	1	1	0		
1-3	DRAWBAR 1-3 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
1-4	DRAWBAR 1-4 INSPECTION LOCATIONS	9	2	3	6	0	6	0	6		
1-5	DRAWBAR 1-5 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
1-6	TIE PLATE 1-6 INSPECTION LOCATIONS	2	2	1	1	0	1	1	0		
1-7	DRAWBAR 1-7 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
2-0	BOOM										
2-1	FIRST BOOM CROSSTIE	15	2	6	9	0	9	4	5		
2-2	FORESTAY GUIDES TYP.	5	6	5	0	0	0	0	0		
2-3	TYPICAL BOOM CROSS SECTION	9	2	0	9	0	9	9	0		
2-4	BOOM LATCH GUIDE	7	2	6	1	0	1	1	0		
2-5	SECOND BOOM CROSSTIE	11	2	7	4	0	4	4	0		
2-6	SECOND BOOM CROSSTIE REEVING	6	2	0	6	0	6	2	4		
2-7	END BEAM OF BOOM	10	2	10	0	0	0	0	0		
2-8	THIRD BOOM CROSSTIE	11	2	7	4	0	4	4	0		
2-9	THIRD BOOM CROSSTIE REEVING	8	2	0	8	0	8	4	4		
3-0	LANDSIDE SILL BEAM										
3-1	LANDSIDE SILL BEAM AT LANDSIDE LEG	9	2	4	5	0	5	5	0		
3-2	TYPICAL LANDSIDE SILL BEAM SECTION	8	1	8	0	0	0	0	0		
3-3	LANDSIDE SILL BEAM AT GANTRY	4	2	0	4	0	4	3	1		

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3-4	LANDSIDE STOW PIN	14	1	4	10	1	9	8	1		
4-0	END GIRDER										
4-1	END GIRDER CROSSTIE BEAM 1	11	2	9	2	0	2	0	2		
4-2	END GIRDER DIAGONAL BRACE CONNECTORS	10	2	4	6	0	6	0	6		
4-3	END GIRDER CROSSTIE BEAM 2	13	2	9	4	0	4	2	2		
4-4	END GIRDER CROSSTIE BEAM 3	12	2	8	4	0	4	2	2		
4-5	TYPICAL END GIRDER CROSS SECTION	9	2	0	9	0	9	6	3		
4-6	END GIRDER END BEAM ATTACHMENTS	3	2	0	3	0	3	0	3		
4-7	END GIRDER END BEAM	13	2	13	0	0	0	0	0		
5-0	MIDDLE GIRDER										
5-1	MIDDLE GIRDER AT BOOM HINGE	7	2	2	5	0	5	2	3		
5-2	MIDDLE GIRDER WS DIAGONAL CONNECTORS	12	2	8	4	0	4	0	4		
5-3	TYPICAL MIDDLE GIRDER SECTION	9	2	1	8	0	8	5	3		
5-4	MIDDLE GIRDER LS DIAGONAL CONNECTORS	3	2	0	3	0	3	1	2		
5-5	MIDDLE GIRDER AT END GIRDER HINGE	4	2	0	4	0	4	2	2		
6-0	WS APEX BEAM										
6-1	WS APEX FORESTAY AND DIAGONAL PLATES	8	2	2	6	0	6	4	2		
6-2	WS APEX BEAM ROPE REEVING	12	2	4	8	0	8	0	8		
6-3	WS APEX BEAM BOOM LATCH	8	2	8	0	0	0	0	0		
6-4	TYPICAL WS APEX CROSS SECTION	4	1	4	0	0	0	0	0		
7-0	WS TROLLEY GIRDER SUPPORT BEAM										
7-1	WS TGSB AT APEX LEG AND WS LEG	8	2	0	8	0	8	8	0		
7-2	WS TGSB AT WS TGSB	8	2	3	5	0	5	3	2		
7-3	TYPICAL WS TGSB CROSS SECTION	8	1	0	8	0	8	4	4		
8-0	LS TROLLEY GIRDER SUPPORT BEAM										
8-1	LS TGSB AT APEX LEG AND WS LEG	8	2	0	8	0	8	8	0		
8-2	LS TGSB AT WS TGSB	6	2	2	4	0	4	4	0		
8-3	TYPICAL LS TGSB CROSS SECTION	8	1	0	8	0	8	4	4		
9-0	WATERSIDE LEGS										
9-1	WATERSIDE LEG AT WS TGSB	9	2	4	5	0	5	5	0		
9-2	TYPICAL WATERSIDE LEG CROSS SECTION	8	2	0	8	0	8	4	4		
9-3	WATERSIDE LEG DIAGONAL CONNECTOR	6	2	0	6	0	6	3	3		
10-0	LANDSIDE LEGS										
10-1	LANDSIDE LEG AT LS TGSB	9	2	4	5	0	5	5	0		
10-2	TYPICAL LANDSIDE LEG CROSS SECTION	8	2	0	8	0	8	4	4		
10-3	LANDSIDE LEG DIAGONAL CONNECTOR	6	2	0	6	0	6	3	3		
11-0	PORTAL BEAM										
11-1	TYPICAL PORTAL BEAM CROSS SECTION	8	2	8	0	0	0	0	0		
11-2	PORTAL BEAM DIAGONAL CONNECTOR	3	2	0	3	0	3	3	0		
12-0	WATERSIDE SILL BEAM										
12-1	WATERSIDE SILL BEAM AT WS LEG	9	2	5	4	0	4	4	0		
12-2	TYPICAL WATERSIDE SILL BEAM CROSS SECTION	8	1	8	0	0	0	0	0		
12-3	WATERSIDE SILL BEAM AT GANTRY	4	2	0	4	0	4	3	1		
12-4	WATERSIDE STOW PIN	14	1	4	10	1	9	8	1		
13-0	BACKSTAY BAR SYSTEM										
13-1	DRAWBAR 13-1 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		

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13-2	TIE PLATE 13-2 INSPECTION LOCATIONS	2	2	1	1	0	1	1	0		
13-3	DRAWBAR 13-3 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
13-4	DRAWBAR 13-4 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
13-5	TIE PLATE 13-5 INSPECTION LOCATIONS	2	2	1	1	0	1	1	0		
13-6	DRAWBAR 13-6 INSPECTION LOCATIONS	5	2	2	3	0	3	0	3		
14-0	GANTRY STRUCTURE										
14-1	MAIN EQUALIZER	7	4	0	7	0	7	7	0		
14-2	MAIN EQUALIZER PIN	12	1	4	8	4	4	0	4		
14-3	SECONDARY EQUALIZER	7	8	0	7	0	7	6	1		
14-4	SECONDARY EQUALIZER PIN	16	1	8	8	0	8	0	8		
14-5	BOGIE	32	1	32	0	0	0	0	0		
14-6	BOGIE PIN	32	1	16	16	0	16	0	16		
14-7	WHEEL SHAFTS	32	1	32	0	0	0	0	0		
15-0	TROLLEY STRUCTURE										
15-1	TROLLEY STRUCTURE LS END STRUCTURE	6	2	6	0	0	0	0	0		
15-2	TROLLEY STRUCTURE WHL SUPPORT SECTION	2	4	0	2	0	2	0	2		
15-3	TROLLEY STRUCTURE WS AND LS STOPS	4	2	4	0	0	0	0	0		
15-4	TROLLEY STRUCTURE SPREADER BEAMS	4	2	0	4	0	4	4	0		
15-5	TROLLEY STRUCTURE BEAM CONNECTIONS	7	2	5	2	0	2	2	0		
15-6	TROLLEY STRUCTURE CAB SUPPORT	16	2	10	6	1	5	2	3		
15-7	TROLLEY STRUCTURE DIAGONALS	4	2	1	3	0	3	0	3		
16-0	MACHINERY FRAME										
16-1	MACHINERY FRAME BOLTED CONNECTIONS	16	1	8	8	8	0	0	0		
16-2	MACHINERY FRAME PERIMETER BEAMS	5	4	5	0	0	0	0	0		
16-3	MACHINERY FRAME INTERIOR BEAMS	5	2	5	0	0	0	0	0		
16-4	MACHINERY FRAME WIRE ROPE SUPPORT	8	4	8	0	0	0	0	0		
17-0	LS APEX BEAM										
17-1	LS APEX BACKSTAY AND DIAGONAL PLATES	12	2	2	10	0	10	6	4		
17-2	TYPICAL LS APEX BEAM CROSS SECTION	4	1	4	0	0	0	0	0		

			VT ONLY	MT/UT/BT	BT	WELD INSP	APPROX > 2'	APPROX < 2'	
TOTAL INSPECTION LINE ITEMS	1498		622	876		28	848	454	394
			42%	58%					