



LAW INSPECTION SERVICES INC.

P.O. Box 1971 • Lethbridge, AB T1J 4K5 • Phone (403) 380-3555 • Fax (403) 394-0498

Report # JK190125-1

Date: Jan 25/2019

Component Inspection Checklist

Client:	Timber Tech	Contact:		LAW#:	AL
Location:	Lethbridge AB	Make:	HIAB	Client PO#:	
Model:	215	Serial#:	215761	Unit#:	3

Code: ☐ ANSI/ASSE A10.31 (Diggers) ☐ CAN/CSA-C225 (Vehicle Mounted Aerial Devices (Bucket Trucks)) ☐ ANSI/ASME B30.14 (Side Booms)
☒ Z150 (Mobile Cranes) ☐ CAN 3 B354-M82 (JLG) ☐ CSA/CAN-Z248 (Tower Cranes) ☐ ASME B30-20 (Jibs, Spreader Bars)

CSA Z 151 Structural (Concrete Pumper)

TECH:

Jordan Kallen CGSB / SNT, RTII, MTII #12235

Status: **V**=Satisfactory **X**=Deficiency **R**=Recommendation **N/A**=Not Applicable

Item	Status
Lower Section	
1. Lift Cylinder(s)	✓
2. Telescoping Cylinder(s)	✓
3. Hydraulic Hoses, Fitting, Tubes	✓
4. Boom Section Alignment	✓
5. Sheaves	N/A
6. Boom Hinge Pin	✓
7. Boom Head Section	✓
8. Structure	✓
9. Other	
Intermediate Section	
10. Boom Sections Alignment	✓
11. Sheave(s)	N/A
12. Structure	✓
13. Telescoping Sections	✓
14. Hydraulic Hoses, Fitting, Tubes	✓
15. Positive Stops	✓
16. Digger Hanger Basket	N/A
17. Other	
Upper Section	
18. Boom Section Alignment	✓
19. Boom Tip Sheave(s)	N/A
20. Structure	✓
21. Telescoping Section	✓
22. Positive Stops	✓
23. Hydraulic Hoses, Fitting, Tubes	✓
24. Upper Boom Tip	✓
25. Upper Boom Winch	N/A
26. Platform	N/A
27. Platform Pin	N/A
28. Hook	✓
Jib Extensions	
29. Positive Stops	N/A
30. Sheave(s)	N/A
31. Wire Rope Retainer(s)	N/A
32. Structure	N/A
33. Other	N/A

Performed visual and magnetic particle inspection on clean and accessible structural welding on above equipment for annual certification.

At the time of the inspection the components inspected were found to be free of unacceptable discontinuities.

Structural certification granted under above code, 1 recommendation to apply crush warning sticker on outriggers

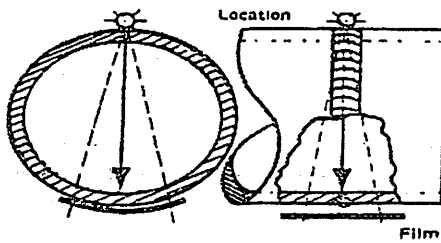
Item	Status
Outriggers/Stabilizers	
34. Boxes	✓
35. Beams	✓
36. Cylinders	✓
37. Float Pads	✓
38. Hydraulic Hoses, fitting, Tubes	✓
39. Holding Valves	✓
40. Position Locks	✓
41. Caution/Warning Signs	R
42. Other	
Load Chart	
43. Per Configuration	✓
44. Durable	✓
45. Legible	✓
46. Visible from Operator's Station	✓
47. Secured	✓
Operator's Station	
48. Grab Rails/Steps/Platforms	✓
49. Anti-Slip Surfaces	✓
50. Electrocution Warning Signs	✓
51. Control Markings	✓
52. Controls (function)	✓
53. Throttle Control	✓
54. Hydraulic Leaks	✓
55. Horn Warning Device	✓
56. Boom Angle Indicator	✓
57. Boom Length Indicator	✓
58. Crane level Indicator	✓
59. Anti-Two Block	N/A
Chassis/Carrier	
60. Main Frame Members	✓
61. Back-Up Alarm	✓
62. Turret	✓
63. Turntable	✓
64. Head Ache Rack	✓
65. other	
66. other	

☒ Engineering Certificate Required

Consumables	Reg. Hrs	OT Hrs	Kms.	Est. Cost
				\$470.00

Client Print: _____

Client Sign: _____

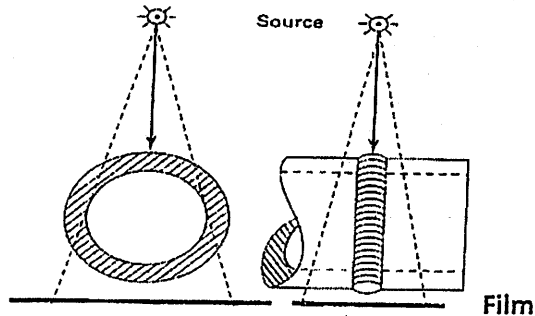


Exposure Arrangement-RT-1

DW/SW Contact-min.3 exposures

Min.SOD=Size*-*THK:1A=4exposures

Max.OFD=THK*;*; 1B=Specify

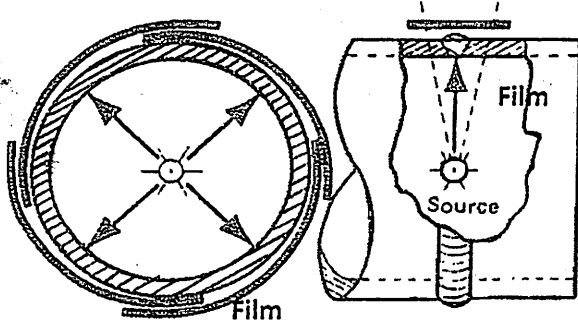


Exposure Arrangement-RT-4

DW/DW Superimposed 3 exposures@60°

Min.SOD=SFD-*Size

Max.OFD=*Size



Exposure Arrangement-RT-7

SW/SW Panoramic 1 exposure up to 100%

Min.SOD=(*Size ÷ 2)-*THK

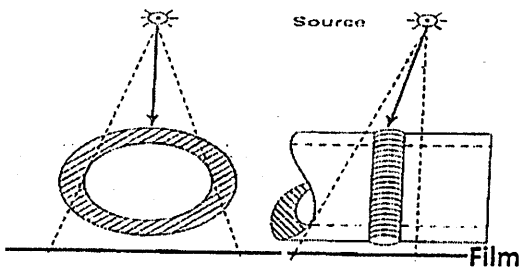
Max.OFD=THK*

Unless stated, 1 film per cassette

DW/SW=Double wall exposure Single wall viewing

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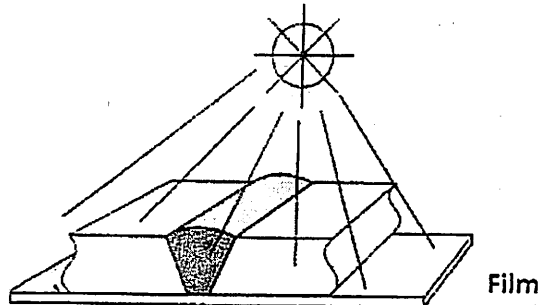


Exposure Arrangement-RT-3

DW/DW Elliptical 2 exposures@90°

Min.SOD=SFD-*Size

Max.OFD=*Size



Exposure Arrangement-RT-5

SW/SW Long Seams & Spots

1 film per exposures unless noted otherwise

Min. SOD=SFD-THK*;Max OFD=THK*

NOM. PIPE SIZE	OUT-SIDE DIAM.	NOMINAL WALL THICKNESS														XX Strong
		Sched 5	Sched 10	Sched 20	Sched 30	Standard	Sched 40	Sched 60	Extra Strong	Sched 80	Sched 100	Sched 120	Sched 140	Sched 160		
3/4	1.050	0.065	0.083	-	-	0.113	0.113	-	0.154	0.154	-	-	-	0.218	0.308	
1	1.315	0.085	0.109	-	-	0.133	0.133	-	0.179	0.179	-	-	-	0.250	0.358	
1 1/4	1.660	0.065	0.109	-	-	0.140	0.140	-	0.191	0.191	-	-	-	0.250	0.382	
1 1/2	1.900	0.065	0.109	-	-	0.145	0.145	-	0.200	0.200	-	-	-	0.281	0.400	
2	2.375	0.065	0.109	-	-	0.154	0.154	-	0.218	0.218	-	-	-	0.343	0.436	
2 1/2	2.875	0.083	0.120	-	-	0.203	0.203	-	0.276	0.276	-	-	-	0.375	0.552	
3	3.5	0.083	0.120	-	-	0.216	0.216	-	0.300	0.300	-	-	-	0.438	0.600	
3 1/2	4.0	0.083	0.120	-	-	0.226	0.226	-	0.318	0.318	-	-	-	0.438	0.600	
4	4.5	0.083	0.120	-	-	0.227	0.237	-	0.337	0.337	-	0.438	-	0.531	0.674	
5	5.563	0.109	0.134	-	-	0.253	0.258	-	0.375	0.375	-	0.500	-	0.625	0.750	
6	6.625	0.109	0.134	-	-	0.280	0.280	-	0.432	0.432	-	0.562	-	0.718	0.864	
8	8.625	0.109	0.148	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.593	0.718	0.812	0.906	0.975	
10	10.75	0.134	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.593	0.718	0.843	1.000	1.125	-	
12	12.75	0.156	0.180	0.250	0.330	0.375	0.406	0.562	0.500	0.637	0.843	1.031	1.218	1.429	1.593	-
14 O.D.	14.0	-	0.250	0.312	0.375	0.375	0.438	0.593	0.500	0.750	0.937	1.093	1.250	1.406	-	
16 O.D.	16.0	-	0.250	0.312	0.375	0.375	0.500	0.656	0.500	0.843	1.031	1.218	1.429	1.593	-	
18 O.D.	18.0	-	0.250	0.312	0.438	0.375	0.562	0.750	0.500	0.937	1.156	1.375	1.562	1.781	-	
20 O.D.	20.0	-	0.250	0.375	0.500	0.375	0.593	0.812	0.500	1.031	1.281	1.500	1.750	1.968	-	
22 O.D.	22.0	-	0.250	-	-	0.375	-	-	0.500	-	-	-	-	-	-	
24 O.D.	24.0	-	0.250	0.375	0.562	0.375	0.697	0.968	0.500	1.219	1.531	1.812	2.062	2.343	-	
26 O.D.	26.0	-	-	-	-	0.375	-	-	0.500	-	-	-	-	-	-	
30 O.D.	30.0	-	0.312	0.500	0.625	0.375	-	-	0.500	-	-	-	-	-	-	
34 O.D.	34.0	-	-	-	-	0.375	-	-	0.500	-	-	-	-	-	-	
36 O.D.	36.0	-	-	-	-	0.375	-	-	0.500	-	-	-	-	-	-	

MAGNETIC Particle Inspection Techniques

MT-1 Dry Particle +/- White contrast	Yoke	Magnetization
MT-2 Wet Fluorescent	Yoke	Magnetization
MT-3 Black&White (Wet visible)	Yoke	Magnetization

Liquid Penetrant-Methods & Types

Solvent Removable_____A

Water Washable_____B