Inspection No.	Inspection Date:

STRUCTURAL PERIODIC INSPECTION REPORT

Schwing Products

Inspection Completed	Product Status	Next Inspection Due
_____ Inspection Company _____ Inspector Name _____ Signature _____ Date	All corrective actions for structural components* are resolved as identified Clause 1.1 of this report: ☐ **Yes** ☐ **No**	_____ Month _____ Year In conformance to ASME B30.27, check one: ☐ **first 5 yr:** every 1,000 working hours, or at least once per year, whichever occurs first ☐ **5 yr to 10 yr:** every 500 working hours, or at least once per year, whichever occurs first ☐ **10 yr and older:** every 250 working hours, or at least once per year, whichever occurs first

Unit Information

Model:_____ Year:_____ Unit S/N:_____ Boom S/N:_____

Total Concrete Volume Pumped (cubic yards):_____ Total PTO Hours:_____

Total Concrete Volume Pumped and Total PTO Hours shall be taken from the Vector (If Applicable)

Owner Information

Company Name:_____

Address:_____

City:_____ State:_____ Zip:_____

Phone:_____ Email:_____ Fax:_____

Signing below acknowledges that this report, all ten pages, were received.

_____ Print Name _____ Signature _____ Date

Structural components shall be inspected for corrosion, cracking, deformation, and damage.

* Failure of structural components jeopardizes the life and health of users and of persons within the hazard zone as well as private property and fixed assets. When a corrective action is noncompliant to the applicable requirements as completed by a welder/company, a great safety risk and harm can occur for the machine, working area, and persons surrounding its operation; in addition, Schwing general product manufacturer warranties are subject to denial.

For welder qualification, Schwing-manufactured products shall be welded by individuals who have satisfactorily completed all requirements stated within Schwing document 30007100. By executing a corrective action relative to this Periodic Inspection Report and applicable Schwing Structural Repair Procedure, the welder/company assumes all responsibility that they comply with the applicable Schwing or industry standards and requirements, including Schwing document 30007100 et al. If the welder/company has compliance inquiries relative to the requirements, contact Schwing @ 1-888-SCHWING or boomrepair@schwing.com.

A Structural Periodic Inspection Decal (P/N 98459679) is provided if a given machine has all corrective actions resolved as identified in Schwing document 30007002-08 Clause 1.1 and Product Status on page one of 30007002-08 is checked “yes”. On the contrary, it is prohibited to issue a Periodic Inspection Decal for a given machine if Product Status is checked “no”. Reference Schwing document 30007003-01 for Structural Periodic Inspection Decal requirements, including definition of structural components.

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1	Inspection Summary
1.1	**Structural Repair Requirements (Critical Shall Repair)** **(Welder must retain qualification to Schwing Document 30007100). Structural components must not have corrosion greater than 10% of base material.**
1.2	**Remarks** **(The cleanliness of the unit will directly effect the inspection time.)**

Inspection No.	Inspection Date:

2	Pedestal	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
2.1	Front Consoles					
2.2	Middle Consoles					
2.3	Rear Consoles and Long Beams					
2.4	Tow Hooks and Rear Cross Beam					
2.5	Front Outrigger Bottom Plate Roller Cutouts					
2.6	Front Outrigger Gate Plates					
2.7	Large Horseshoes (Collars)					
2.8	Midbeam					
2.9	Top Plate by Slew Gear and Ring Gear					
2.10	Top Plate at Guide Lever Opening					
2.11	Rear Outrigger Push Box Housing					
2.12	Rear Outrigger Push Box Housing Divider					
2.13	Outrigger Extend Cylinder Brackets					
2.14	Outrigger Extend Cylinders (Cracks, Corrosion)					
2.15	Outrigger Extend Cylinder Pins on Pedestal					
2.16	Outrigger Extend Cylinder Pins on Outriggers					
2.17	Front Boom Rest (Cracks)					
2.18	Rear Boom Rest (Cracks)					
2.19	Correct Boom Rest Spacing					
2.20	Deck Pipe Arms					
2.21	Fender Supports					
2.22	Tie Down Plates					
2.23	MPS valve bracket					
2.24	Rock Valve Supports					
2.25	Hydraulic Tank (Cracks)					
2.26	Weld on Hand Rails					
2.27	Bolt on Wear Tabs					
2.28	Weld on Wear Tabs					
2.29						
2.30						
2.31						

Inspection No.	Inspection Date:

3	Front Outriggers	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
3.1	Outrigger Push Box					
3.2	Outrigger Housing					
3.3	Outrigger Down Tubes (Corrosion, Dents)					
3.4	Outrigger Down Tube Straightness					
3.5	Outrigger Push Box to Down Tube Welds					
3.6	Foot Tube Thickness (list as measured thickness/original thickness and % remaining)					D.S. P.S.
3.7	Foot Tube Drain Holes (Ensure Drain Hole Update) (Recommend Wax Coating Annually)					
3.8	Foot Tube (Cracks)					
3.9	Foot Pads (Cracks)					
3.10	Foot Pad Gussets (Cracks)					
3.11	Backside Bulkhead Bracket					
3.12	Weld on Wear Tabs					
3.13	Bolt on Wear Tabs					
3.14	Stop Plates					
3.15	C Clips or Bolts Securing Foot Pad to Foot Tube					
3.16	Hydraulic Cylinders (Cracks)					
3.17	Extend Cylinder Pins (Cracks)					
3.18	Foot Cylinder Pins (Cracks)					
3.19	Safety Devices (Locks Functional) Critical with manual extension outriggers					
3.20						
3.21						

Inspection No.	Inspection Date:

4	Rear Outriggers	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
4.1	Outrigger Push Box					
4.2	Outrigger Housing					
4.3	Outrigger Down Tubes (Corrosion, Dents)					
4.4	Outrigger Down Tube Straightness					
4.5	Outrigger Push Box to Down Tube Welds					
4.6	Foot Tube Thickness (list as measured thickness/original thickness and % remaining)					D.S. P.S.
4.7	Foot Tube Drain Holes (Ensure Drain Hole Update) (Recommend Wax Coating Annually)					
4.8	Foot Tube (Cracks)					
4.9	Foot Pads (Cracks)					
4.10	Foot Pad Gussets (Cracks)					
4.11	Interior of Water Tank(s) (Pictures Required)					
4.12	Weld on Wear Tabs					
4.13	Bolt on Wear Tabs					
4.14	C Clips or Bolts Securing Foot Pad to Foot Tube					
4.15	Hydraulic Cylinders (Cracks)					
4.16	Extend Cylinder Pins (Cracks)					
4.17	Foot Cylinder Pins (Cracks)					
4.18	Safety Devices (Locks Functional) Critical with manual extension outriggers					
4.19	Rubber/Poly Bumper Rest Area					
4.20						
4.21						

Inspection No.	Inspection Date:

5	Pedestal or Tower & Sub-Frame	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
5.1	Tower (KVM 42)					
5.2	Tower / Sub-frame Tie Down Bolts (KVM 42)					
5.3	Interior / Exterior water tank (pictures required)					
5.4	Main Column (Cracks)					
5.5	Main Column Slewing Cylinders (Cracks)					
5.6	Tower Tube Gussets					
5.7	Tower Tube (Cracks, Corrosion) Ensure no concrete build up inside					
5.8	Pipe Arm on Turret/Main Column					
5.9	Stack Pipe Bracket					
5.10	Turret					
5.11	Turret Ring Gear Bolt Opening (Cracks)					
5.12	Detach Tower Pins (Cracks)					
5.13						
5.14						
5.15						

6	Boom 1	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
6.1	Foot End					
6.2	Head End					
6.3	Cylinder Ears					
6.4	Pipe Arms					
6.5	Rest Area or Hook Assembly (Cracks, Dents)					
6.6	Boom Rest Guides					
6.7	Stauff Clamp Bases (Corrosion)					
6.8						
6.9						
6.10						

Inspection No.	Inspection Date:

7	Boom 2	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
7.1	Foot End					
7.2	Head End					
7.3	Cylinder Ears					
7.4	Pipe Arms					
7.5	Rest Area or Hook Assembly (Cracks, Dents)					
7.6	Boom Rest Guides					
7.7	Stauff Clamp Bases (Corrosion)					
7.8						
7.9						
7.10						

8	Boom 3	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
8.1	Foot End					
8.2	Head End					
8.3	Cylinder Ears					
8.4	Pipe Arms					
8.5	Rest Area or Hook Assembly (Cracks, Dents)					
8.6	Boom Rest Guides					
8.7	Stauff Clamp Bases (Corrosion)					
8.8						
8.9						
8.10						

Inspection No.	Inspection Date:

9	Boom 4	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
9.1	Foot End					
9.2	Head End					
9.3	Cylinder Ears					
9.4	Pipe Arms					
9.5	Rest Area or Hook Assembly (Cracks, Dents)					
9.6	Boom Rest Guides					
9.7	Stauff Clamp Bases (Corrosion)					
9.8						
9.9						
9.10						

10	Boom 5	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
10.1	Foot End					
10.2	Head End					
10.3	Cylinder Ears					
10.4	Pipe Arms					
10.5	Rest Area or Hook Assembly (Cracks, Dents)					
10.6	Boom Rest Guides					
10.7	Stauff Clamp Bases (Corrosion)					
10.8						
10.9						
10.10						

Inspection No.	Inspection Date:

11	Guide Levers	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
11.1	Guide Lever HA0 (@ Joint A/Turret)					
11.2	Guide Lever HA1 (@ Joint A/Boom 1)					
11.3	Guide Lever HB1 (@ Joint B/Boom 1)					
11.4	Guide Lever HB2 (@ Joint B/Boom 2)					
11.5	Guide Lever HC2 (@ Joint C/Boom 2)					
11.6	Guide Lever HC3 (@ Joint C/Boom 3)					
11.7	Guide Lever HD3 (@ Joint D/Boom 3)					
11.8	Guide Lever HD4 (@ Joint D/Boom 4)					
11.9	Guide Lever HE4 (@ Joint E/Boom 4)					
11.10	Guide Lever HE5 (@ Joint E/Boom 5)					

12	Boom Cylinders (Recommend Cylinder Clip Update if C Clip Style is used)	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
12.1	Cylinder A (Cracks, Corrosion, Keeper)					
12.2	Cylinder Telescoping Boom 1A/1B					
12.3	Cylinder B (Cracks, Corrosion, Keeper)					
12.4	Cylinder C (Cracks, Corrosion, Keeper)					
12.5	Cylinder D (Cracks, Corrosion, Keeper)					
12.6	Cylinder E (Cracks, Corrosion, Keeper)					

13	Concrete Delivery Pipeline	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
13.1	Weld Eye for Safety Cable					
13.2	Hose Holders on Tip Section					
13.3						
13.4						
13.5						
13.6						
13.7						

The maximum weight of system hung (end hose, reducer, etc.) at boom tip may be referenced in the applicable operation manual.

Inspection No.	Inspection Date:

Pins and Pin Retainment Parts									
14	Position	Pins (Cracks,Hammer Marks)			Pin Retainment Parts				
		OK	N/A	Critical Shall Repair	OK	N/A	Critical Shall Repair	Remarks	
14.1	A0								
14.2	A1								
14.3	A2								
14.4	A2.1								
14.5	A3								
14.6	A4								
14.7	B0								
14.8	B1								
14.9	B2								
14.10	B2.1								
14.11	B3								
14.12	B4								
14.13	C0								
14.14	C1								
14.15	C2								
14.16	C2.1								
14.17	C3								
14.18	C4								
14.19	D0								
14.20	D1								
14.21	D2								
14.22	D2.1								
14.23	D3								
14.24	D4								
14.25	E0								
14.26	E1								
14.27	E2								
14.28	E2.1								
14.29	E3								
14.30	E4								