Inspection No.	Inspection Date:

OPERATIONAL PERIODIC INSPECTION REPORT

Schwing Products

Inspection Completed	Product Status	Next Inspection Due
Inspection Company Inspector Name Signature Date	All corrective actions for Operational 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:_____

The customer is responsible for the following:

- DOT inspection/approval.
- Hydraulic cylinder theoretical life. Contact the service department at 1-888-292-0262 for more information.
- Alerting the inspector of any operational issues that need to be addressed.
- Pipeline delivery system for non-conformances according to the manufacturers instructions.
- Proper lubrication of moving parts.
- Hydraulic oil level.
- Proper loading of accessories to prevent loss while traveling.

A Operational Periodic Inspection Decal (P/N 98459680) is provided if a given machine has all corrective actions resolved as identified in Schwing document 30007019-02 Clause 1.1 and Product Status on page one of 30007019-02 is checked “Yes”. On the contrary, it is prohibited to issue a Operational Periodic Inspection Decal for a given machine if Product Status is checked “No”. Reference Schwing document 30007026-01 for Operational Periodic Inspection Decal requirements.

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

Print Name _____ Signature _____ Date _____

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1	Inspection Summary
1.1	**Operational Repair Requirements (Critical Shall Repair)**
1.2	**Remarks** **(The cleanliness of the unit will directly effect the inspection time.)**

Inspection No.	Inspection Date:

2	General	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
2.1	Front Boom Rest - Present/Functional					
2.2	Rear Boom Rest - Present/Functional					
2.3	Correct Boom Rest Spacing					
2.4	Boom Tie Down Strap - Present/Functional					
2.5	Safety/Function Decals					
2.6	Steps					
2.7	Hand Rails					
2.8	Bubble Level Gauges					
2.9	Water Pump Shaft Guard					
2.10	Decking/Fenders - Present/Functional					
2.11	Material Cylinders (Dents)					
2.12	Axle Stops					
2.13	Water Box Screens					
2.14	Water Box Cover					
2.15	Hopper, Back splash, Agititator					
2.16	Hopper Grate Bolted Down or Functional Safety Switch					
2.17	Tie Down Plate Hucks and Bolts					
2.18	Boom Pin Retainment Parts					
2.19	Outrigger Pin Retainment Parts					
2.20	Detach Tower Pin Retainment Parts					
2.21						

3	Electrical	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
3.1	Boom Out of Cradle Alarm (Functions)					
3.2	Boom 1 Cab Protection (Functions)					
3.3	Easy System (Check for Vector trouble codes)					
3.4	E-Stops (Functions Electrical and Hydraulic)					
3.5	Boom/Pedestal Horn (Functions)					
3.6	Cable/Radio Remote Functions to ASME B30.27					
3.7	Control Panel (Functions)					
3.8						

Inspection No.	Inspection Date:

4	Hydraulics	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
4.1	Hydraulic Oil Tank (Leaks, Cracks)					
4.2	Oil Leaks					
4.3	Hydraulic Hoses (Condition)					
4.4	Hand Valves (Return To Neutral, Leaks)					
4.5	Hydraulic Pumps (Leaks, Loose Fasteners)					
4.6	Concrete Pump Relief Pressure					Max.
4.7	Boom Relief Pressure					Max.
4.8	Accumulator Relief Pressure					Max.
4.9						

5	Front Outriggers	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
5.1	C clips or Bolts Securing Foot Pad to Foot Tube					
5.2	Cables, Hardware, and Hydraulic Motor					
5.3	Pins, Bores, and Pin Retainment Parts					
5.4	Safety Devices (Outrigger Locks) Critical with manual extension outriggers					
5.5	Operation/Function					
5.6	Hose Reels/Energy Chain					
5.7	Outrigger Rollers (Front/Rear/Upper/Lower)					
5.8	Rubber/Poly Bumpers					
5.9	Hydraulic Cylinders (Gouges, Leak Down)					
5.10						

6	Rear Outriggers	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
6.1	C clips or Bolts Securing Foot Pad to Foot Tube					
6.2	Cables and Hardware					
6.3	Pins, Bores, and Pin Retainment Parts					
6.4	Safety Devices (Outrigger Locks) Critical with manual extension outriggers					
6.5	Operation/Function					
6.6	Rubber/Poly Bumpers					
6.7	Hydraulic Cylinders (Gouges, Leak Down)					
6.8						

Inspection No.		Inspection Date:					
7	**Main Column**	Status				**Remarks**
		OK	N/A	Should Repair	Critical Shall Repair	
7.1	Upper Bearing Clearance					
7.2	Lower Bearing Clearance					
7.3	Upper/Lower Bearing Bolts					
7.4	Rubber Dust Cover					
7.5	Main Column Slewing Cylinders					
8	**Ring Gear and Slewing Gear**	Status				**Remarks**
		OK	N/A	Should Repair	Critical Shall Repair	
8.1	Ring Gear Cover					
8.2	Ring Gear Bolts (Upper and Lower)					
8.3	Lip Seal (Upper and Lower)					
8.4	Tipping Clearance					Maximum
8.5	Gear Wear or Galling					
8.6	Gear Lash					Minimum .008" Maximum .040"
8.7	Slew Drive Motor Oil (Level and Condition)					
8.8	Slew Drive Motor Axial Movement					Maximum .040"
8.9	Slew Drive Motor Bolts					
8.10	Slewing Limits					
8.11	Dinamic Oil Slewing Gear Bearing Play					
9	**Boom Cylinders** **(Leaks, Drift Down, Gouges, Rod Straightness, Articulated Bearing Cracks)**	Status				**Remarks**
		OK	N/A	Should Repair	Critical Shall Repair	
9.1	Cylinder A & Articulated Bearing					
9.2	Cylinder Telescoping Boom 1A/B					
9.3	Cylinder B & Articulated Bearing					
9.4	Cylinder C & Articulated Bearing					
9.5	Cylinder D & Articulated Bearing					
9.6	Cylinder E & Articulated Bearing					
10	**Boom 1**	Status				**Remarks**
		OK	N/A	Should Repair	Critical Shall Repair	
10.1	Hydraulic, Air, and Electrical lines					
10.2	Rubber/Poly Boom Rests					
10.3						

Inspection No.	Inspection Date:

11	Boom 2	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
11.1	Hydraulic, Air, and Electrical lines					
11.2	Rubber/Poly Boom Rests					
11.3						

12	Boom 3	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
12.1	Hydraulic, Air, and Electrical lines					
12.2	Rubber/Poly Boom Rests					
12.3						

13	Boom 4	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
13.1	Hydraulic, Air, and Electrical lines					
13.2	Rubber/Poly Boom Rests					
13.3						

14	Boom 5	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
14.1	Hydraulic, Air, and Electrical lines					
14.2	Rubber/Poly Boom Rests					
14.3						

15	Concrete Delivery Pipeline	Status				Remarks
		OK	N/A	Should Repair	Critical Shall Repair	
15.1	Clamps					
15.2	Clamp Safety Clips					
15.3	U-Bolt and Saddle Mounting Hardware					
15.4	End Hose, Reducer, and Air Cuff Safety Choker					
15.5	Hose Holders on Tip Section					
15.6	Boom Pipeline Reducer Location					
15.7	Correct Pipeline Size					
15.8						

Inspection No.	Inspection Date:

Pin to Bore and Pin to Bushing Measurements								
16	Position	Pin to Bushing Measurements				Pin to Bore Measurements			
		Measured driver side	Measured passenger side	Maximum allowed	Action (Critical Shall)	Measured driver side	Measured passenger side	Maximum allowed	Action (Critical Shall)
16.1	*A0*				OK				OK
16.2	*A1*				OK				OK
16.3	*A2*				OK				OK
16.4	*A2.1*				OK				OK
16.5	*A3*				OK				OK
16.6	*A4*				OK				OK
16.7	*B0*				OK				OK
16.8	*B1*				OK				OK
16.9	*B2*				OK				OK
16.10	*B2.1*				OK				OK
16.11	*B3*				OK				OK
16.12	*B4*				OK				OK
16.13	*C0*				OK				OK
16.14	*C1*				OK				OK
16.15	*C2*				OK				OK
16.16	*C2.1*				OK				OK
16.17	*C3*				OK				OK
16.18	*C4*				OK				OK
16.19	*D0*				OK				OK
16.20	D1				OK				OK
16.21	D2				OK				OK
16.22	D2.1				OK				OK
16.23	D3				OK				OK
16.24	D4				OK				OK
16.25	E0				OK				OK
16.26	E1				OK				OK
16.27	E2				OK				OK
16.28	E2.1				OK				OK
16.29	E3				OK				OK
16.30	E4				OK				OK