

Axle Monorail Crane Mechanical Schedule

Task No.	Task Description – Main Trolley	OK	Not OK (If Not OK, Rectify Or Notify M.E	Completed By
1	Check the details of each hoist unit & drive trolley match details on front sheet of work order	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Check security of long travel drive carriage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Check security & wear of the long travel drive carriage load wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Check security & wear of the side guide rollers of the drive carriage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Check security of both gear box drive units to the carriage, ensuring no leaks evident from gearboxes. (See information at bottom of shedule regarding oil types & amounts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Check security & condition of the long travel drive wheel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Check security of long travel idler carriage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Check security & wear of the idler travel carriage load wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Check security & wear of side guide rollers of the idler carriage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Check the security of both the thrust bearing shafts to the drive & idler carriages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Check the security of the load pin that secures the hoist units suspension brackets to the crane beam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Check all welded joints for cracks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Check all bolts & fixings for security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Task Description – Main Hoist Unit			
14	Check the security of the 2 suspension pins that secure the bracket to the hoist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Check the chain collector bag for security & wear, clean any excess oil from bag	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Check the load chain for any cracks deformation or wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Visually check the chain guide for any signs of damage or wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Ensure the load chain has not exceeded its specified limits (235mm over 11 outside links) Check over 3 areas of the chain length using chain gauge MTL0074	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Check the bottom block housing for security & damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Check the bottom block load hook for any cracks, wear or deformation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Ensure the safety catch is fitted to the load hook & is working correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Check the maximum brake displacement on the hoist doesn't exceed 0.65mm. Refer to page 94-96 in the manual for reference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

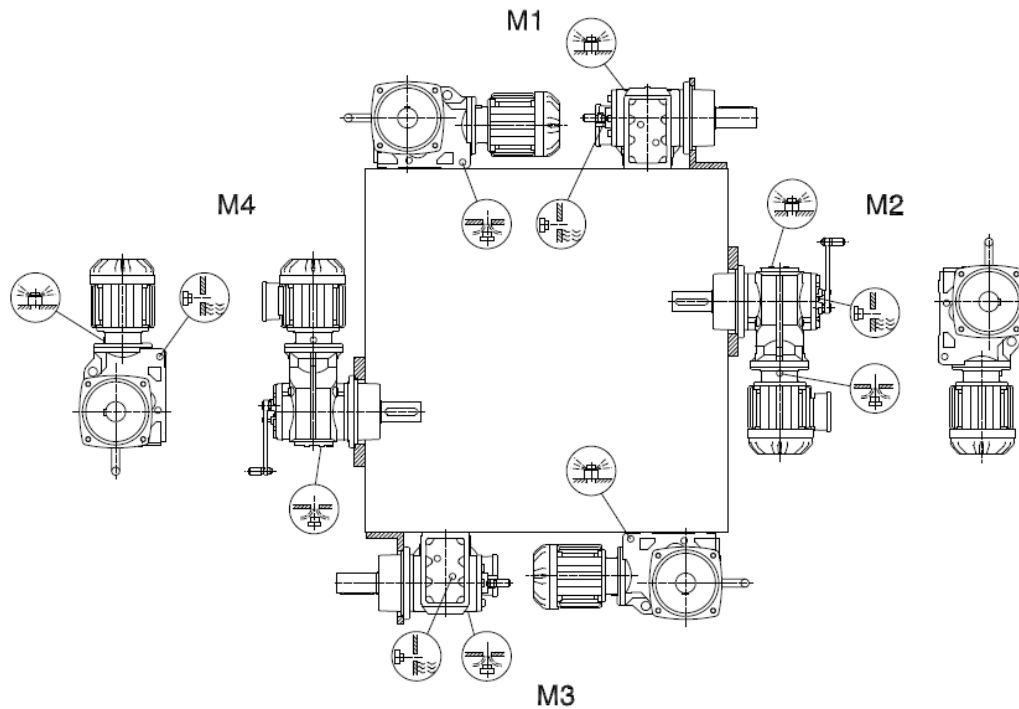
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Task No.	Task Description – Main Hoist Unit	OK	Not OK (If Not OK, Rectify Or Notify M.E	Completed By
23	Check the operation of the slipping clutch. Refer to manual page 89 for reference. ONLY TO BE COMPLETED EVERY 5 YEARS, DUE 2019	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	Lubricate the hoist chain if required. Refer to page 89 in the manual for reference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Weight test the hoist to 2 Tons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Task Description – Banana Beam			
26	Check the security of the eye bolt within the swivel unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	Check the security & operation of the locking handle on the swivel unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	Check that the shackles on the ends of the beam are secure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	Check all chain links on the beam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Check the condition of the connectors that hold the plate which the secondary hoist is fixed to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Check all welds for cracks on the beam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Check security of all fixings on the beam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Task Description – Secondary Hoist Unit			
33	Check the security of the 2 suspension pins that secure the bracket to the hoist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	Check the chain collector box for security & wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	Check the load chain for any cracks, deformation or wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	Visually check the chain guide for any signs of damage or wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	Ensure the load chain has not exceeded its specified limits (235mm over 11 outside links) Check over 3 areas of the chain length using chain gauge MTL0074	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	Check the bottom block housing for security & damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	Check the bottom block load hook for any cracks, wear or deformation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	Ensure the safety catch is fitted to the load hook & is working correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	Check the maximum brake displacement on the hoist doesn't exceed 0.6mm. Refer to pages 109-110 in the manual for reference.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	Check the operation of the slipping clutch. Refer to manual page 111 for reference. ONLY TO BE COMPLETED EVERY 5 YEARS, DUE 2019	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	Lubricate the hoist chain if required. Refer to page 95 in the manual for reference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44	Weight test the hoist to 1 Ton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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SEW Drive Gearbox Mounting & Oil Filling Information

Our units are mounted either in the M1 or M3 orientations, Check breathers are in the correct position to suit, Use EP220 Oil to top up if required



6.1.3 Lubricant fill quantities

The specified fill quantities are **guide values**. The precise values vary depending on the number of stages and gear ratio. Check the **oil level plug** for the exact oil quantity.

The following table shows guide values for lubricant fill quantities in relation to the mounting position M1 – M6.

Gear unit type	Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
HW10	0.16					
HW30	0.50	0.50	0.50	0.55	0.50	0.50
HS41	1.00	1.00	0.80	1.35	1.35	–
HK37	1.40	1.00	0.80	1.57	1.10	1.10
HK40	1.60	1.60	1.75	2.20	–	–
HK50	2.40	2.60	2.70	3.40	–	–
HK60	2.70	2.90	3.10	3.90	–	–

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Comments, Note Task Number Adjacent To Any Issues Found
