

Drilling Rig Inspection, Repair and Maintenances Services 12 Monthly

Item	Equip/ System	Monthly	As Per	Description
1	Runway Beams (NDT)	12	LOLER/ Client specific	Conduct NDT with ECI or MPI on critical welds as required
2	Swing jibs (NDT)	As Required	LOLER/ Client specific	Conduct NDT with ECI or MPI on critical welds
3	Air Winches, Tugger, Similar Units	12	LOLER/ Client specific/ DIN FEM	Perform Function tests on all other winches as per manufacturer & SMS procedures. Perform NDT on the foundation welds
4	Air Winches (for man- riding)	12	LOLER/ Client specific/ DIN FEM	Perform proof load tests as per manufacturer & SMS procedures. Perform NDT on the foundation welds
5	Baskets, containers, skips, gas racks and lifting frames	12	LOLER/ Client specific/ BS 12079	Conduct NDT with ECI or MPI on critical welds on lifting points
6	Hydraulic stabbing basket/Telescopic	12	Client specific	Conduct NDT on critical welds. Conduct visual inspection on all components and conduct function test
7	Samson posts	12	Client specific	Conduct NDT (MPI or ECI) on foundation welds and NDT (MPI or ECI) on the post lifting points
8	Anchor winches and associated equipment	12	Client specific	The anchor winches, winch wires, terminations and associated assemblies (tuggers, fairleads, smit brackets, shackles and towing lines) will all be inspected in line with marine requirements, varying dependent on class of rig and local legislation. Other Marine systems can also be included subject to advice and agreement from the client in advance. NDT to be conducted on the foundation welds of the anchor winches.
9	Towing Assemblies	12	Client specific	NDT to be conducted on fair leads, cleats, bollards and smit brackets
10	Lifeboat and life raft davit/ deployment systems	12	SOLAS	NDT to be conducted on the foundation welds, winch mount welds and hang off padeyes
11	Forklift	12	LOLER/ BS 2330/ Client specific	Visual inspection to be conducted in line with standards, MPI to be conducted on the forks.
12	Tubular handling equipment and related items	12	API RP 8B	See Below

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13	Pipe Spinner	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
14	Power Tong Units	12	API RP 7L	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
15	Manual Tongs	12	API RP 7L	Visually inspect the dismantled components for wear and mechanical damage. Visually check the long jaw dies and slots for wear and damage. Check each component by 100% MPI inspection for cracks.
16	Spinning Wrenches	12	API RP 7L	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
17	Iron Roughneck	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
18	Slips	12	API RP 7L	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
19	Power Slips	12	API RP 7L	Carry out Magnetic Particle Inspection (MPI) of exposed critical areas.
20	Elevators	12	API RP 8B	Check orientation of elevator doors and the latch (no visible drop allowed). Check easily and fully closing of latch onto its lugs without touching bottom of top of lug.
21	Master Bushings & Bushing Insert Bowls	12	API RP 7L	MPI exposed critical areas. Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.

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22	Safety Clamps (When capable of being used as hoisting equipment	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
23	Spiders capable of being used as elevators	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
24	Elevator Links / Bails	12	API RP 8B	Visual inspection, dimensional checks and MPI as required on all elevator links carried out at six monthly intervals where applicable, MPI to be 100% on the entire link.
25	Drill Line Anchor	12	API RP 8B	Visual inspection and MPI of drill line anchor, all critical stress areas in line with OEM manual.
26	Travelling Block	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
27	Hook Block	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
28	Block to Hook Adapter	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
29	Crown Block Sheaves and Bearings	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
30	Drilling Hook	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.

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31	Connectors and Link Adapters	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
32	Swivel Bail Adapters	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
33	Rotary Swivels	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
34	Power Swivels	12	API RP 8B	Conduct Category VI inspection plus further inspection, which should include NDE of exposed critical areas and may involve some disassembly to access specific components and identify wear that exceeds the manufacturer's allowable tolerances.
35	Load path/ hoisting equipment		API RP 8B	See Below
36	Draw Works Disc Brake, Main & Emergency Caliper Support Pins , Main & Emergency Caliper Brake Pad Pins	12	API RP 7L	MPI of drawworks disc brake (where applicable) of brake caliper support pins, brake pad pins on all main and emergency caliper pins and main & emergency caliper brake pad pins, on an annual basis. Pay particular attention to the thin areas of the pin where penetrations are made as these are most susceptible to cracks. Notify OIM or Barge Engineer of any deficiencies or discrepancies found while performing this routine.
	Top Drive Inspection	12	OEM	See Below
37	Pear Links	12	OEM	Perform magnetic particle inspection on the pear links
38	Connecting Links	12	OEM	Perform magnetic particle inspection on connecting links
39	U-Bracket on Swivel Links	12	OEM	Perform magnetic particle inspection on the U-bracket on swivel links
40	Cylinder Clevis & Padeyes	12	OEM	Perform magnetic particle inspection on the cylinder clevis & padeyes,
41	Box Stem & Area Around Extended Bail Pins	12	OEM	Perform magnetic particle inspection on the box stem & area around extended bail pins
42	Dolly Frame	12	OEM	Perform MPI on dolly frame lifting padeyes