

Gantry Crane

Last Issue Date: 17/12/2020		Type Of Service				
Activity		A	B	C	D	E
1	HOIST: ROPE / CHAIN - Check the: a) hook, b) safety catch, c) sheaves, d) guards, e) wire rope, f) wire rope guide & dog condition, g) drum condition & clamp tension, h) gear box & oil levels, i) motor, brake, j) hoist mounting, k) chain and chain bucket, l) sprocket, m) dead end fixing & limits.			Y		
2	TROLLEY / CRAB - Check the: a) wheel treads / flanges, b) wheel bearings, c) gears / spines, d) gearbox / oil levels, e) motor, f) brake, g) limits, h) line shaft & bearings, i) couplings, j) buffers, k) cross bolt tension & structure.			Y		
3	CATENARY SYSTEM - Check the: a) power track, b) cable & trolleys. c) control track cable, d) trolleys & travelling 'J' box.			Y		
4	PENDANT / RADIO - Check: a) housing, b) buttons / switches, c) contact blocks, d) cable, e) strainer, f) emergency stop, g) legends.			Y		
5	SIGNS - Check: a) main switch, b) service isolators,			Y		

**Disclaimer** -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

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	c) capacity, d) direction, e) indication & danger.					
6	DOWNSTOP SUPPLY - Check: a) aeriels, b) busbar, c) collectors, d) cable reeler, e) catenary, f) towing arm.			Y		
7	END CARRIAGES - Check: a) wheels treads / flanges, b) wheel bearings, c) gears / splines, d) pinions, e) gearbox / oil levels, f) motor, g) brake, h) limits, i) line shaft & bearings, j) couplings, k) anti-collision equipment, l) bolted connections & buffers.			Y		
8	BRIDGE/S - Check: a) trolley rail / running surface, b) end stops, c) main structure & bracketry, d) fixtures are secure.			Y		
9	ELECTRICS - Check: a) main switches, b) service isolators, c) cubicle condition, d) contactors, e) timers, f) overloads, g) transformers, h) wiring / terminations / cable entry, i) lights, j) warning / indicator lights / sirens, resistors, k) variable speed drives.			Y		
10	Check the access platforms and ladders, including the following: a) stability of treads,			Y		

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	b) wear on non-slip surfaces, c) stability of handrails and balusters, d) connections.					
11	RUNWAYS - Undertake a visual check of: a) rail, b) hook bolts, c) end stops.			Y		
12	JIB CRANE - Check: a) mounting bolts, b) slew / pivot / wheels & bearings, c) ring gear, d) pinion, slip rings, e) motor & gearbox.			Y		
13	DRIVE FAULT DIAGNOSIS - Check: a) hoist N/W & S/E drive faults noted, b) L & C travel drive faults noted, c) download completed.			Y		
14	FUNCTION TEST - Check: a) raise / lower limits, b) cross travel, c) long travel & slew.			Y		
15	Record the results in the logbook and submit a customer service report to the FMSP.			Y		

**Special Comments and Technical Data**

C SERVICE 3 MONTHLY

NOTE: MORE FREQUENT SERVICES (INSPECTIONS) MAY BE NECESSARY FOR CRANES CLASSIFIED C5/M5 AND ABOVE IN ACCORDANCE WITH AS2550.1.

SERVICE ACTIVITIES AND FREQUENCIES MAY VARY DEPENDING ON MANUFACTURER'S REQUIREMENTS AND SITE CONDITIONS.

FOR MAINTENANCE MANUAL REQUIREMENTS REFER TO AS1418.1 SECTION 16.

REFER TO TDS: LF9 FOR THE ANNUAL THIRD-PARTY INSPECTION AND FOR THE 7 YEAR MAJOR INSPECTION SERVICE. REFER TO THE OFFICE OF THE TECHNICAL REGULATOR FOR REGISTRATION REQUIREMENTS.

APPLICABLE LEGISLATION AND STANDARDS: WH&S REGULATIONS, AS2550.1.

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