

250 HR MECH PM KONE CRANE –SAV 42-47

CRANE # _____ TECHNICIAN(S) _____

HOUR METER READING _____

INITIAL WHEN STEP COMPLETED. []

01. STRUCTURE

- [] METALLIC STRUCTURE OF CRANE:
CHECK FOR ANY TYPE OF DAMAGE, STRUCTURAL FAILURE, OR LOOSE PARTS.
- [] BUMPERS:
CHECK THAT BOOM BUMPERS ARE IN PLACE AND FUNCTIONAL.
CHECK THAT TROLLEY BUMPERS ARE IN PLACE AND FUNCTIONAL.
CHECK THAT GANTRY BUMPERS ARE IN PLACE AND FUNCTIONAL.
- [] HURRICANE TIEDOWNS:
INSPECT AND MAKE REPAIR LIST
- [] STOW PINS:
CHECK FOR LEVER LIMIT SWITCH OPERATION
CHECK FOR PROPER MECHANICAL UP-DOWN
CONFIRM NO DEBRIS IN STOW PIN HOLES

02. GANTRY

- [] GANTRY:
CHECK CONDITION OF WHEELS, BRAKE PADS, AND RAIL.
CHECK TRAVELING MOTOR & GEARBOX MOUNTING.
GANTRY UPRIVER & DOWNRIVER TO CHECK FOR EXCESSIVE NOISE OR VIBRATION.
RECORD ANY REPAIRS NEEDED.
- [] GANTRY REDUCERS:
CHECK FOR LEAKS, LOOSE FASTNERS BENT OR MISSING GUARDS.
CHECK QUANTITY OF GEAR OIL IS SUFFICIENT.
RECORD ANY REPAIRS NEEDED.

03. MACHINERY ROOM

- [] MACHINERY ROOM:
CHECK FOR CLEANIENS; INSPECT DOORS, LATCHES, WINDOWS ETC.
RECORD ANY REPAIRS NEEDED.
- [] REMOVE ALL TRASH AND DEBRIS.
- [] ENSURE ALL GUARDS ARE IN PLACE.
- [] ENSURE ALL LIGHTS ARE FUNCTIONAL, REPORT ANY THAT ARE NOT.

04. CATENARY

- [] FORWARD CATENARY:
CHECK RUN ALIGNMENT, CONDITION OF WHEELS, BEARINGS, FASTNERS, ETC.
RECORD ANY REPAIRS NEEDED.
- [] REAR CATENARY:
CHECK RUN ALIGNMENT, CONDITION OF WHEELS, BEARINGS, FASTNERS, ETC.
RECORD ANY REPAIRS NEEDED
- [] CATENARY ROPES:
CHECK CONDITION OF CABLE, SHEAVES, BEARINGS, ETC.
RECORD ANY REPAIRS NEEDED.

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05. CAB

- ☐ CAB:
CHECK CONDITION OF CAB. CHECK DOORS, HINGES, LATCHES, WINDOWS ETC.
RECORD ANY REPAIRS NEEDED

06. HOIST ROPES

- ☐ HOIST ROPES:
CHECK CONDITION OF ROPES, SHEAVES, SLAPBOARDS, ETC...
RECORD ANY REPAIRS NEEDED.

07. MAINTENANCE HOIST

- ☐ MACHINE ROOM:
VERIFY THAT MAINTENANCE HOIST WORK CORRECTLY.
RECORD ANY REPAIRS NEEDED.
- ☐ BACK REACH:
VERIFY THAT MAINTENANCE HOIST WORK CORRECTLY.
RECORD ANY REPAIRS NEEDED.
- ☐ BOOM TIP:
VERIFY THAT MAINTENANCE HOIST WORK CORRECTLY.
RECORD ANY REPAIRS NEEDED.

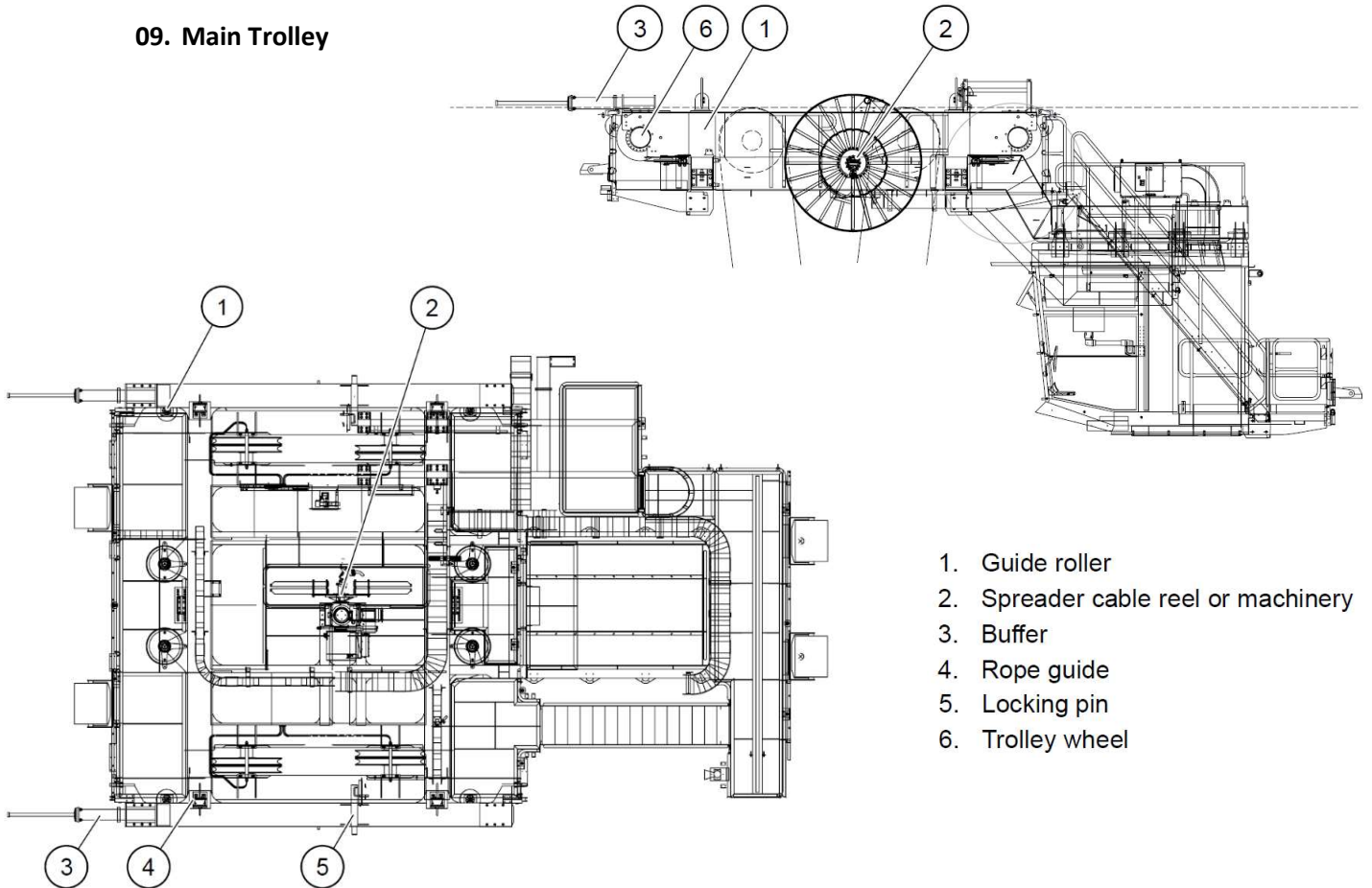
08. LIFTING EQUIPMENT

- ☐ HEAD BLOCK:
SHEAVES ARE NOT DAMAGED OR SEIZED.
NO LOOSE BOLTS.
RECORD ANY REPAIRS NEEDED.

ADDITIONAL NOTES:

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09. Main Trolley

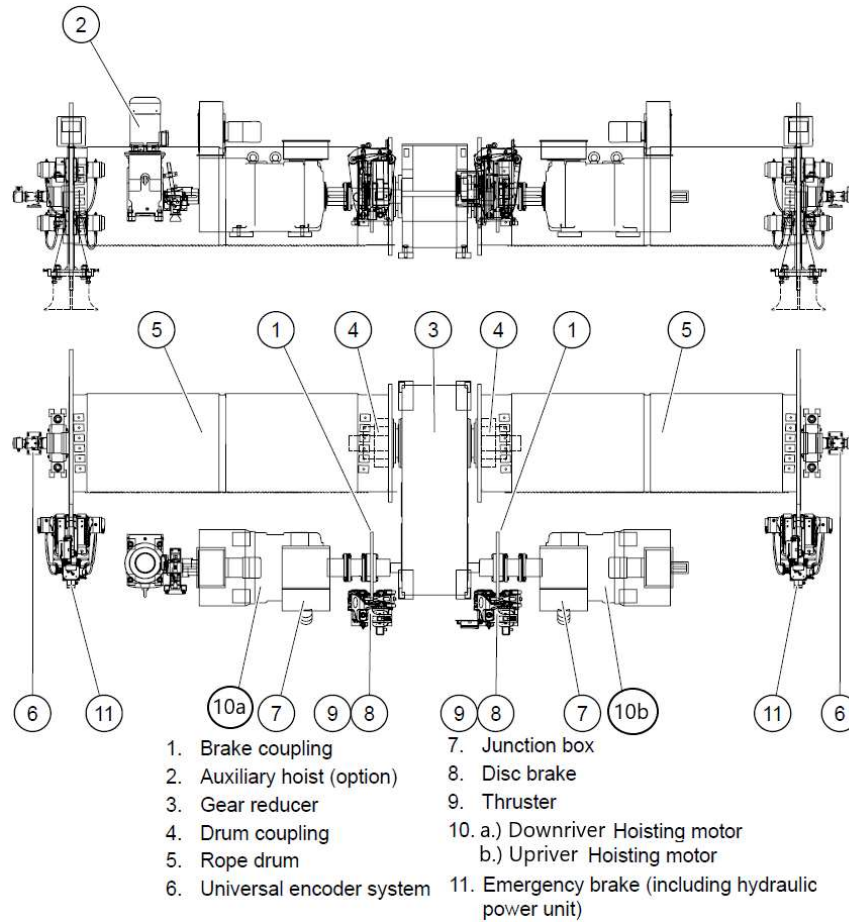


	Run trolley landside and waterside to confirm trolley alignment. Record needed adjustments.
	Check all wheels (Ref. 6). Record any that are not in good condition (Indicate on figure).
	Check condition of Thrust Rollers (Ref. 1). Record any repairs needed.
	Check oil level of spreader cable reel gearbox (Ref. 2). Refill if needed.
	Check condition of rails for damage and debris. Clean rail drains.
	Check fluid levels for auto lubers and greasers. Refill if needed.
	Check general condition of Hoist & Catenary Cable Guides (Ref. 4). Repair if needed.
	Check general condition of Hoist & Trolley sheaves.
	Check that gate operates freely and returns to the shut position. Lubricate hinges.
	Other:

Notes: _____

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10. Main Hoist



DOWNRIVER HOIST MOTOR BRAKE				
			UPRIVER	DOWNRIVER
DISC CONDITION		PAD THICKNESS		
RESV/STROKE		TENSION AS FOUND		
		ADJUSTED		
DISC RUN OUT		AIR GAP		

UPRIVER HOIST MOTOR BRAKE				
			UPRIVER	DOWNRIVER
DISC CONDITION		PAD THICKNESS		
RESV/STROKE		TENSION AS FOUND		
		ADJUSTED		
DISC RUN OUT		AIR GAP		

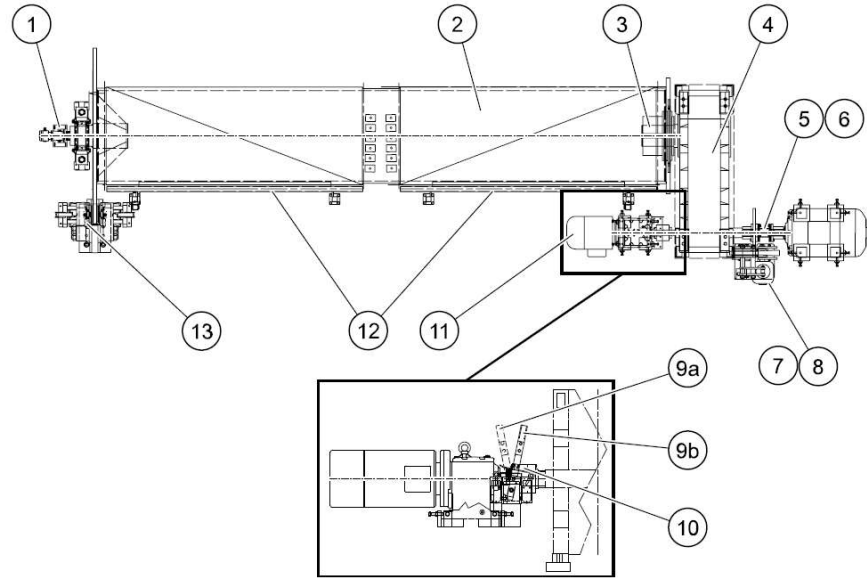
EMERGENCY HOIST BRAKE (11)				
			UPRIVER	DOWNRIVER
DISC CONDITION		PAD THICKNESS		
HYP PRESS				
RESV OIL LEVEL		AIR GAP		

CHECK GEARBOX (3) OIL LEVEL AND DRUM COUPLING (4) WEAR INDICATOR
CHECK BRAKE COUPLING (1), GEARBOX LEAKS, VIBRATION, ETC.
PERFORM HOIST OPERATION; LOOK FOR EXCESSIVE NOISE AND/OR VIBRATION

Notes: _____

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11. Boom Hoist Machinery



1. Universal encoder system
2. Rope drum
3. Drum coupling
4. Gear reducer
5. Brake coupling
6. Brake disc
7. Thruster

8. Disc brake
9. 9a: Coupling lever in disengaged position;
9b: Coupling lever in engaged position
10. Coupling
11. Emergency gear motor
12. Rope overlap guard
13. Emergency brake

BOOM HOIST BRAKE				
			UPRIVER	DOWNRIVER
DISC CONDITION		PAD THICKNESS		
RESV/STROKE		TENSION AS FOUND		
		ADJUSTED		
DISC RUN OUT		AIR GAP		

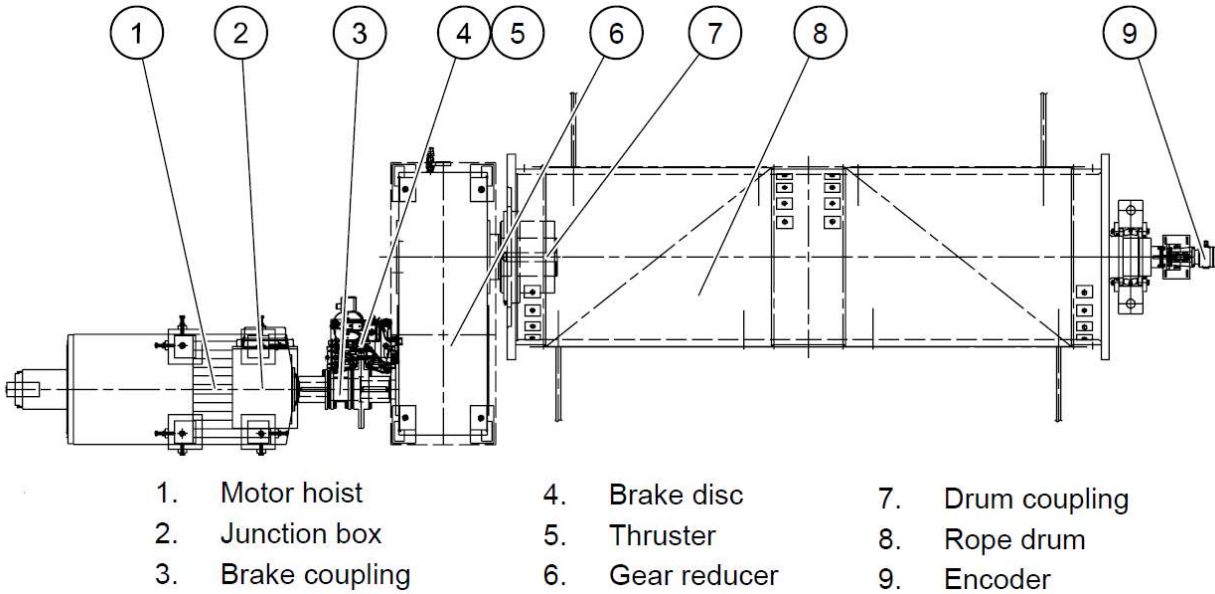
BOOM HOIST EMERGENCY BRAKE				
			UPRIVER	DOWNRIVER
DISC CONDITION		PAD THICKNESS		
RESV/STROKE		TENSION AS FOUND		
		ADJUSTED		
DISC RUN OUT		AIR GAP		

CHECK GEARBOX (4) OIL LEVEL AND DRUM COUPLING (4) WEAR INDICATOR
CHECK BRAKE COUPLING (5), GEARBOX LEAKS, VIBRATION, ETC.
PERFORM BOOM OPERATION; LOOK FOR EXCESSIVE NOISE AND/OR VIBRATION

Notes: _____

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12. Trolley Traveling Machinery



- | | | |
|-------------------|-----------------|------------------|
| 1. Motor hoist | 4. Brake disc | 7. Drum coupling |
| 2. Junction box | 5. Thruster | 8. Rope drum |
| 3. Brake coupling | 6. Gear reducer | 9. Encoder |

TROLLEY BRAKE				
			UPRIVER	DOWNRIVER
DISC CONDITION		PAD THICKNESS		
RESV/STROKE		TENSION AS FOUND		
		ADJUSTED		
DISC RUN OUT		AIR GAP		

CHECK GEARBOX (6) OIL LEVEL AND DRUM COUPLING (4) WEAR INDICATOR
CHECK BRAKE COUPLING (3), GEARBOX LEAKS, VIBRATION, ETC.
PERFORM TROLLEY OPERATION; LOOK FOR EXCESSIVE NOISE AND/OR VIBRATION

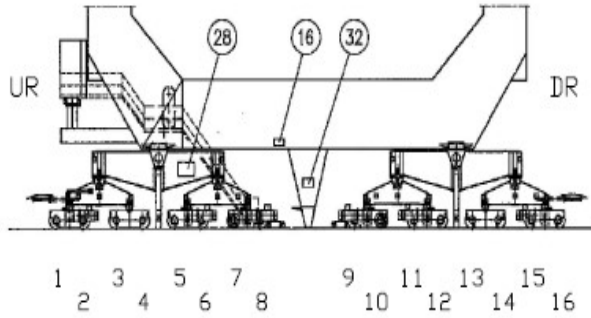
Notes: _____

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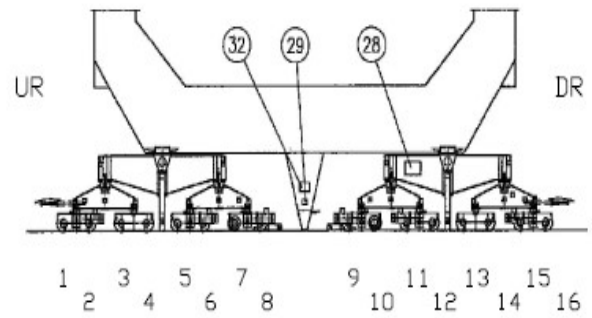
CRANE ID: _____

DATE: _____

LAND SIDE



WATER SIDE



LAND SIDE

- #1 _____
- #2 _____
- #3 _____
- #4 _____
- #5 _____
- #6 _____
- #7 _____
- #8 _____
- #9 _____
- #10 _____
- #11 _____
- #12 _____
- #13 _____
- #14 _____
- #15 _____
- #16 _____

WATER SIDE

- #1 _____
- #2 _____
- #3 _____
- #4 _____
- #5 _____
- #6 _____
- #7 _____
- #8 _____
- #9 _____
- #10 _____
- #11 _____
- #12 _____
- #13 _____
- #14 _____
- #15 _____
- #16 _____