

# 250 HR MECH PM KONE CRANE –RMG 1 - 10

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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 TROLLEY BUMPERS ARE IN PLACE AND FUNCTIONAL.  
CHECK THAT GANTRY BUMPERS ARE IN PLACE AND FUNCTIONAL.
- [   ] STORM BRAKES  
CHECK FOR PROPER OPERATION
- [   ] STOWPINS  
INSPECT AND MAKE REPAIR LIST
- [   ] INSPECTION HATCHES:  
CHECK THAT THE SEALS ARE TIGHT AND DON'T LET IN WATER (ANNUALLY)

## 02. GANTRY

- [   ] GANTRY  
CHECK CONDITION OF WHEELS, GUIDE ROLLERS, BRAKE PADS, LEAKS ON LUBE SYSTEM  
(PUMPS, VALVES, LINES ETC.) RECORD ANY REPAIRS NEEDED.
- [   ] GANTRY REDUCERS:  
CHECK FOR LEAKS, LOOSE FASTNERS BENT OR MISSING GUARDS.  
RECORD ANY REPAIRS NEEDED.
- [   ] CHECK THE CONDITION OF THE TORQUE ARM SUPPORTING THE TRAVELING MACHINERY.  
MAKE SURE THE PLATES LOCATING THE PIVOT PINS ARE IN PLACE AND THE FIXING ARE  
TIGHT.
- [   ] CHECK THE ALL GANTRY CBLE REEL GUIDES ON DIVERTER ARM.

## 03. MACHINERY ON TROLLEY

- [   ] MACHINERY ON TROLLEY:  
CHECK FOR CLEANIENS; INSPECT GATES, LATCHES, WINDOWS ETC.  
RECORD ANY REPAIRS NEEDED.
- [   ] REMOVE ALL TRASH AND DEBRIS.
- [   ] ENSURE ALL GUARDS ARE IN PLACE.

## 04. TROLLEY

- [   ] TROLLEY:  
CHECK ALL WHEELS. RECORD ANY THAT ARE NOT IN GOOD CONDITION.  
CHECK CONDITION OF TROLLEY THRUST ROLLERS. RECORD ANY REPAIRS NEEDED.  
CHECK TROLLEY REDUCER, CHECK COUPLING FOR LEAKS, LOOSE FASTNERS, NOISE, ETC.  
RECORD ANY REPAIRS NEEDED.
- [   ] CHECK THAT THE TROLLEY RAIL IS NOT DAMAGED. CHECK THE RAIL WELDS VISUALLY.
- [   ] REMOVE ALL TRASH AND DEBRIS.

## 05. GIRDER AND POWERTRACK

- [   ] POWERTRACK  
CHECK CONDITION OF POWERTRACK AND TOWARM ENSURE NO LOOSE WIRES,  
ROLLERS, TOWARM ALIGNMENT AND DAMAGE TO IGUS SYSTEM

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### 06. CAB

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

### 07. HOIST

- ☐ HOIST REDUCERS:  
CHECK COUPLINGS, CHECK FOR LEAKS, VIBRATIONS, LOOSE FASTNERS, ETC.  
RECORD ANY REPAIRS NEEDED.
- ☐ HOIST THRUSTERS:  
CHECK FOR PROPER OPERATION, ADJUST THRUSTER TRAVEL IF NEEDED.  
RECORD ANY REPAIRS NEEDED.
- ☐ HOIST ROPES:  
CHECK CONDITION OF ROPES, SHEAVES, SLAPBOARDS, ETC...  
RECORD ANY REPAIRS NEEDED.

### 08. SLEW

- ☐ SLEW REDUCERS:  
CHECK COUPLING, CHECK FOR LEAKS VIBRATIONS, LOOSE FASTNERS, ETC.  
RECORD ANY REPAIRS NEEDED.
- ☐ SLEW GEAR:  
CHECK CONDITION OF GEAR, MOTORS, OIL RESIVIOR, ETC...  
RECORD ANY REPAIRS NEEDED.
- ☐ SLEW BEARING:  
CHECK THAT THERE ARE NO LOOSE OR MISSING FIXINGS OR MECHANICAL DAMAGES

### 09. MAINTENANCE HOIST

- ☐ TROLLEY:  
VERIFY THAT MAINTENANCE HOIST WORK CORRECTLY.  
RECORD ANY REPAIRS NEEDED.

### 10. ACM

- ☐ ACM REDUCERS:  
CHECK COUPLINGS, CHECK FOR LEAKS, VIBRATIONS, LOOSE FASTNERS, ETC.  
RECORD ANY REPAIRS NEEDED.
- ☐ ACM BRAKES:  
CHECK FOR PROPER OPERATION, ADJUST BRAKE IF NEEDED.  
RECORD ANY REPAIRS NEEDED.
- ☐ ACM ROPES:  
CHECK CONDITION OF ROPES, SHEAVES, ETC...  
RECORD ANY REPAIRS NEEDED.

### ADDITIONAL NOTES:

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### 11. Hoist

Motor #1				UR	DR
	Disc condition		Pad Thickness		
	Rev/Stroke		Tension as found		
	Disc Run Out		Adjusted		
			Air gap		
	<b>Check gearbox:</b> oil level and drum coupling wear indicator (RECORD) Oil sample				
	<b>Check Coupling:</b> check leaks vibration, etc. (RECORD)				

Motor #2				UR	DR
	Disc condition		Pad Thickness		
	Rev/Stroke		Tension as found		
	Disc Run Out		Adjusted		
			Air gap		
	<b>Check gearbox:</b> oil level and drum coupling wear indicator (RECORD) Oil sample				
	<b>Check Coupling:</b> check leaks vibration, etc. (RECORD)				

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Emergency Motor #1 Brake				UR	DR
	Disc condition		Pad Thickness		
	Rev/Stroke		Tension as found		
	Disc Run Out		Adjusted		
	Hydraulic Pressure		Air gap		

Emergency Motor #2 Brake				UR	DR
	Disc condition		Pad Thickness		
	Rev/Stroke		Tension as found		
	Disc Run Out		Adjusted		
	Hydraulic Pressure		Air gap		

**ADDITIONAL NOTES:**

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### 12. Trolley

	Check all wheels. Record any that are not in good condition ( <b>Indicate on Chart</b> ).
	Check condition of Thrust Rollers. Record any repairs needed.
	Check reducers for leaks, loose fasteners, noise, ETC.
	Check oil levels of gearboxes
	Check condition of rails for indication of out-of alignment
	Check general condition of Hoist Cable Guides
	<b>Other:</b>

Notes: \_\_\_\_\_

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### 13. ACM & Slew

	Check condition of slew gear and lubrication system.
	Check reducers for leaks, loose fasteners, noise, ETC.
	Check oil levels of gearboxes
	Check condition of acm and slew brakes
	Check general condition of ACM Cable Guides
	<b>Other:</b>

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**14. Gantry** – check wheels, thrust rollers, lube system, gear reducers, oil level, brakes, etc.

Fixed Leg Gantry	Hinged Leg Gantry
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.
11.	