



Crawler Crane Monthly Maintenance

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Inspector		Date		Signature	
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1. Documentation & Records

Inspection Item	Ok	Faulty	NA
Crane maintenance log up to date	■	■	■
Operator manuals and load charts available and legible	■	■	■
Certification and inspection stickers valid	■	■	■
All deficiencies from previous inspections corrected	■	■	■

10. Worksite & Operational Safety

Inspection Item	Ok	Faulty	NA
Fire extinguisher inspected and available in cab	■	■	■
Operators cab clean, free of obstructions	■	■	■
Seat belt in good condition and functional	■	■	■
Visibility unobstructed, mirrors and cameras clean	■	■	■
No debris or oil accumulation on crane body or deck	■	■	■

11. Final Review

Inspection Item	Ok	Faulty	NA
Test crane functions at low load to confirm safe operation	■	■	■
Defects recorded and reported immediately	■	■	■
Crane tagged "Out of Service" if unsafe until repairs completed	■	■	■

2. Structural Components

Inspection Item	Ok	Faulty	NA
Boom and jib inspected for cracks, dents, bends, or corrosion	■	■	■
Lattice sections and pins secure, no deformation	■	■	■
Boom stops, boom angle indicators, and boom hoist system functional	■	■	■
Counterweights installed correctly and free from damage	■	■	■
Upper and lower structure inspected for cracks or damage	■	■	■
Walkways, ladders, and handrails secure	■	■	■

3. Wire Ropes & Hoisting System

Inspection Item	Ok	Faulty	NA
Wire ropes checked for broken strands, kinks, crushing, corrosion	■	■	■
Drum spooling proper, no overlapping or slack wraps	■	■	■
Rope terminations (sockets, clips, wedges) secure	■	■	■

Inspection Item	Ok	Faulty	NA
Sheaves and pulleys free from wear, cracks, or misalignment	■	■	■
Hook block and ball: safety latch operational, no cracks or distortion	■	■	■
Load block bearings and swivels lubricated and functional	■	■	■

4. Hydraulic System

Inspection Item	Ok	Faulty	NA
Hydraulic fluid level adequate	■	■	■
Hoses, fittings, and connections free from leaks, cracks, or wear	■	■	■
Hydraulic cylinders and rams inspected for scoring, leaks, or pitting	■	■	■
Pumps and motors operating without abnormal noise or vibration	■	■	■

5. Engine & Powertrain

Inspection Item	Ok	Faulty	NA
Engine oil, coolant, and fuel levels checked	■	■	■
Belts, pulleys, and hoses in good condition	■	■	■
Fuel filters and air filters inspected/cleaned/replaced if needed	■	■	■
Radiator and cooling system free of leaks, fins clean	■	■	■
Battery terminals clean and secure	■	■	■
Exhaust system secure, no leaks	■	■	■

6. Electrical System

Inspection Item	Ok	Faulty	NA
Control panels clean, switches functioning	■	■	■
Limit switches and emergency stop tested	■	■	■
Lights (headlights, work lights, indicators, warning beacons) functional	■	■	■
Horn, backup alarm, and communication systems working	■	■	■
Fuses and relays inspected	■	■	■

7. Safety Devices & Controls

Inspection Item	Ok	Faulty	NA
Load Moment Indicator (LMI) / Rated Capacity Limiter calibrated and functional	■	■	■
Anti-two block device operational	■	■	■
Boom length and angle indicators accurate	■	■	■
Out-of-level indicator working	■	■	■
Emergency stop tested and functional	■	■	■
Overload protection devices verified	■	■	■

8. Undercarriage & Travel System

Inspection Item	Ok	Faulty	NA
Track pads, rollers, and sprockets inspected for wear/damage	■	■	■
Track tension adjusted properly	■	■	■
Travel motors and brakes tested	■	■	■

Inspection Item	Ok	Faulty	NA
Swing gear and bearing lubricated and inspected for wear	■	■	■
Slewing ring bolts tightened and free of cracks	■	■	■

9. Lubrication

Inspection Item	Ok	Faulty	NA
Grease applied to all lubrication points (pins, bearings, joints)	■	■	■
Gearboxes checked for oil level and leaks	■	■	■
Swing bearing gear teeth greased properly	■	■	■