



# Safety & Maintenance Inspection: Stellar® Telescopic Crane - Daily

**SAFETY.CAT.COM™**

Operator/Inspector \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Serial Number \_\_\_\_\_ Machine Hours \_\_\_\_\_

Key	Inspection Description	Pass/Fail?
Daily	All Daily Inspections.	
Monthly	All monthly inspections.	
Rotation Sys	Rotation bearing for proper torque of all mounting bolts.	
Hardware	Base mounting bolts for proper torque.	
Structure	All structural members for deformation, cracks, & corrosion.	
	Base	
	Outrigger beams & legs	
	Mast	
	Inner boom	
	Outer boom	
	Extension(s)	
	Jib boom	
	Jib extension(s)	
Hardware	Pins, bearings, shafts, gears, rollers, & locking devices for wear, cracks, corrosion, & distortion.	
	Inner boom pivot pin(s) & retainer(s)	
	Outer boom pivot pin(s) & retainer(s)	
	Inner boom cylinder pin(s) & retainer(s)	
	Outer boom cylinder pin(s) & retainer(s)	
	Extension cylinder pin(s) & retainer(s)	
	Jib boom pin(s) & retainer(s)	
	Jib cylinder pin(s) & retainer(s)	
	Jib extension cylinder pin(s) & retainer(s)	
	Boom tip attachments	

Key	Inspection Description	Pass/Fail?
Hyd Lines	Hoses, fittings, & tubing for proper routing, leakage, blistering, deformation, & excessive abrasion.	
	Pressure line(s) from pump to control valve	
	Return line(s) from control valve to reservoir	
	Suction line(s) from reservoir to pump	
	Pressure line(s) from control valve to each function	
	Load holding valve pipe(s) and hose(s)	
Pumps & Motors	Pumps and motors for loose bolts/fasteners, leaks, noise, vibration, loss of performance, heating and excess pressure.	
	Winch motor(s)	
	Rotation motor(s)	
Valves	Hydraulic valves for cracks, spool return to neutral, sticking spools, relief valve failure.	
	Main control valve	
	Load holding valve(s)	
	Outrigger or auxiliary control valve(s)	
Cylinders	Hydraulic cylinders for drifting & leakage. Rods for nicks, scores, & dents. Castor damage. Case & rod ends for damage & abnormal wear.	
	Outrigger cylinder(s)	
	Inner boom cylinder(s)	
	Outer boom cylinder(s)	
	Extension cylinder(s)	
	Rotation cylinder(s)	
	Jib lift cylinder(s)	
	Jib extension cylinder(s)	
Winch	Winch, sheaves, & drums for damage, abnormal wear, abrasion, & other irregularities.	
Hyd Filter	Hydraulic filters for replacement per maintenance schedule.	

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