



STATE OF WASHINGTON

DEPARTMENT OF LABOR AND INDUSTRIES

Machine condition is one of the prime causes of tower crane failures. Whether or not Federal or State regulations require the maintenance of a daily, or weekly, log book an informal checklist is always a helpful reminder of the key areas that should be regularly monitored. The following might be the Pre-Op inspection check list for a typical hammerhead or luffing boom tower crane. This list is not considered to be all inclusive nor is it intended to replace any manufactures' material in any operator's or service manuals but is to be used in conjunction with these publications and your own practical experience.

TOWER CRANE DAILY INSPECTION CHECKLIST

INSPECTION ITEM		S	U	NA	OBSERVATION/COMMENTS
PRELIMINARY	Foundation bolts/anchors				
	Main power disconnect switch				
	Hook sheaves/swivel				
	Power contact grounding				
	Support guys/anchors				
TOWER	Ladders/platforms				
	Section connecting bolts/pins				
	Safety rails/chains				
	Tie-in assembly (s)				
	Chord and lacing welds				
	Power cable				
	Hydraulic hoses for leaks				
	Gear boxes for oil level/leaks				
	Slewing ring bolts				
	Counterweights secure				
	Motor/winch hold-down bolts				
	Wire rope condition				
	Hoist drum spooling				
CRANE OPERATION	Control function				
	Swing break				
	Moment overloads				
	Hoist overloads				
	Trolley cable/brake				
	Sheaves				
	Gear limits				
	Trolley limits				
	Luffing limits				
	Hoist limits				
	Proximity to power lines				
CAB	Fire extinguisher				
	Load chart				
	Window glass				
	Operations manual				
DATE: ___/___/___		CRANE MODEL: _____		INSPECTORS' SIGNATURE _____	