

OCCUPATION ANALYSIS CHART

TOWER CRANE OPERATOR

Tower Crane Competency Profile Chart

1. Describe Tower Crane/ Self-Erect Industry	1.01 Explain operators' duties and responsibilities	1.02 Explain the training process for operators	1.03 Describe the tower crane industry	1.04 Identify general types of cranes and their application	1.05 Describe industry specific hoisting applications	
2. Uses Communication Skills	2.01 Acts professionally	2.02 Speaks and listens effectively	2.03 Uses documentation			
3. Crane Communication	3.01 Communicates using signals	3.02 Uses electronic communication equipment	3.03 Radio protocol and communications			
4. Interprets Applicable Legislation & Policies	4.01 Interprets legislation	4.02 Interprets company policy and procedures				
5. Works Safely on Site	5.01 Completes site orientation (hazards, PPE)	5.02 Maintains a safe work environments				
6. Safe Crane Operations	6.01 Prepares for emergencies	6.02 Responds to emergencies (DEP)	6.03 Working around and contact with high voltage	6.04 Weather conditions affecting operation	6.05 Multi-crane safety protocol	6.06 Uses PPE (fall arrest, lock-out)
	6.07 Public safety					

7. Describes Equipment & Attachments	7.01 Describes types and sizes of tower cranes	7.02 Describes types of bases used for tower cranes	7.03 Describes erection process of tower cranes	7.04 Describes types of climbing and lowering methods	7.05 Describes functions of tower crane components	7.06 Describes and maintains guards, covers and labels
	7.07 Describes capacities and capabilities of types and sizes	7.08 Describes basic tools and supplies associated with tower cranes	7.09 Describes rigging equipment (table forms, sky hook)	7.10 Terminology/ vocabulary	7.11 Describe function and demonstrate ability to use different types of controls	
8. Performs Pre-Operational Inspection & Daily Service	8.01 Start of shift inspections	8.02 Manufacturers' inspections	8.03 Annual or special inspections	8.04 Maintain a logbook		
9. Performs Pre-Operational Inspection & Daily Service with Engine/ Power On	9.01 Dynamic testing					
10. Complies with Schedules Maintenance Requirements	10.01 Arranges for or performs schedules maintenance					
11. Plans Work Procedures	11.01 Assesses load	11.02 Load charts including gear range and parts of line	11.03 Lifting personnel	11.04 Plans lifts and tasks		

**12.
Pre-Lift Planning and
Rigging**

12.01
Inspect rigging equipment

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

12.02
Inspect lifting devices

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

12.03
Select rigging equipment

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

12.04
Perform rigging

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

12.05
Maintain and store rigging
equipments

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

12.06
Inspects and services
attachments

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**13.
Performs Lifts**

13.01
Performs hoisting
operations

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

13.02
Performs specialty lifts

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

