IOC FORM C6-03, REV. 2

Υ□

Υ□

 $N \square$

 $N \square$

1.0 GENERAL INFORMATION		
JOB DESCRIPTION:		
DATE:		
Work Order Number: Lifting Device ID #:		
LIFTING DEVICE MAKE: LIFTING DEVICE MODEL:		
Is the lifting device "Annual Inspection" valid?	Υ□	N□
Has the crew completed this same lift in the past? If yes, obtain copy of CLP.	Υ□	N□
2.0 CRITICAL LIFT CRITERIA		
Does this lift involve any of the following criteria? (Check all applicable.)		
a) Two or more cranes used for a single lift. Complete separate CLP for each. (De-rate each crane to 75% rated capacity)	Y□	N□
b) Over operating facilities where personnel may be endangered.	Υ□	N□
c) Within 5.5 m of power lines. (Follow requirements as per C2.2)	Υ□	N□
d) Personnel in cages/man-baskets attached to equipment not designed for the explicit purpose of lifting people.	Υ□	N□
e) At, but not above, max. rated capacity. (For rated capacity at this specific boom angle and load radius.)	Υ□	N□
f) Between 90% and max. rated capacity for loads greater than 15 tons (30,000 lbs)	Y	N□
g) When the operator cannot see the load at all times during the lift.	Υ□	N□
h) Material requiring special handling (e.g. dangerous goods, size/shape, requires non-standard rigging, or is of high monetary value.)	Y□	N□
i) Wind velocity (including gusts) greater than 30 Km/h.	Y□	N□
j) Crane set-up closer to an excavation/water body than the excavation/water body is deep.	Y□	N□
k) Lifts to and from water.	Υ□	N□
k) Travelling with a load greater than 50% of capacity in a given set-up – or as	V	ΝП

I) Two or more cranes in proximity where the booms or loads could make contact.

recommended by the manufacturer.

3.0 LIFT DETAILS				
Component	Information			
Item(s) to Be Lifted				
Purpose or Reasoning for Lift				
Environment Lift to be conducted in				
Environment Lift to be conducted in	Workshop	Field	Plant	Other
What is the lifting equipment route to the lift site? List major potential hazards. (consider overhead power lines)				

4.0 LIFT REVIEW				
Component	Information			
Height of Lift (consider swing path)	ft.			
Surface Area of Load (For consideration for impact due to wind)	·			
Number of tag lines required to stabilize load?				
Is the crane set up level in all directions?	Y D N D			
Number of Parts of Line adequate for load? Confirm in operator's manual or load chart.	Y D N D			
Length of wire rope for load travel adequate?	Y D N D			
Center of Gravity of load OK? (Should be within and below rigging points)	Y 🗆 N 🗆			
Is the wire rope reeving balanced?	Y D N D			
Other:	Y D N D			
If "No" to any of the above, review the condition	n and take corrective action.			
Action	Completed By			
1.				
2.				
3.				

4.1 LIFT LAYOUT DIAGRAM (Attach extra pages if necessary)
Sketch intended to assist in clarification of crane set-up in relation to load, surrounding structures, rigging, and lay-down location. To be completed at the discretion of the Lift Planner.

5.0 RIGGING DATA				
Component	Information			
Rigging pre-use inspection complete?	Y D N D			
Sling Material (Chain, Wire Rope, Synthetic)				
Sling Diameter				
Sling Length				
Sling Configuration (Choker, Basket, Straight?)				
Sling Capacity (in planned configuration)				
Shackle Size (pin diameter)				
Shackle Capacity				
Spreader Beam (include ID Number)				
Spreader Beam Capacity				
Other Rigging Component's Capacity				
Max. Rigging Capacity as Configured				
Does rigging capacity match or exceed planned loading? If no, obtain adequately sized rigging.	Y D N D			
COMMENTS:				
	Y TO POWER LINES			
Check here □ if this section is not applicable to this lift.				
Component	Information			
Distance to nearest power line in lift area from any part of lifting device or load?				
Can lift be completed without entering exclusion zone as listed in IOC Procedure C2.2?	Y 🗆 N 🗆			
If answer is NO or UNKNOWN, complete	ELECTRICAL AREA PROXIMITY PERMIT			

7.0 GROUND STABILITY & TOPOGRAPHY				
Check here □ if this section is not applicable to this lift.				
Component	Information			
Does the supporting structure have adequate capacity for crane and load?		Υ□	N□	
Is the crane situated away from an excavation? (Horizontal clearance shall be greater than hole depth)		Υ□	N□	
Is the crane sufficiently clear of any known underground structures?		Υ□	N□	
Are the Ground Conditions level at the lift site?		Υ□	N□	
Are the Geological Ground Conditions stable at the lift site – particularly near water bodies?		Υ□	N□	
Is the lay-down prepared and stable?		Υ□	N□	
Geological Ground Conditions Inspected and Approved by Mining Official/Engineer if ground conditions in the area are assessed to be				
unstable or on unconsolidated material. (For Field Picks or Areas not designed for crane work)	Name	s	Signature	Date
If answer is NO, initiate actions to Sta		<u>Level</u>	the Area	
	STABILIZE AREA			
Action		Comple	eted By	
1.				
2.				
7.2 ACTIONS T	O LEVEL AREA			
Action		Comple	eted By	
1.				
2.				

8.0 Local Security Control				
Will other personnel or equipment, other than lift team and their equip., be in close proximity to lift?	Y 🗆 N 🗆			
If answer is YES, initiate actions to Ba	arricade or Evacuate Lift Area			
8.1 ACTIONS TO BARRICADE AREA				
Action	Completed By			
1.				
2.				

9.0 Weather & Environmental Concerns					
Check here \square if this section	ı is not ap	oplicable	to this lif	t.	
Component	Information				
W d O EC					
Weather Conditions	Sun	Wind	Rain	Snow	Lightning
If a lift must be performed during periods of inclement weather, a Risk Assessment must be completed prior to executing the lift. If lightning is observed in the area, the lift must be cancelled until conditions clear.					
Temperature at time of lift	°F				
Check operator's manual for lowest temperature a lift may be executed. The crane's maximum capacity rating is de-rated 2% for every one degree below minus 20 degrees C, or to manufacturer's recommendations.					
Wind speed at time of lift			mph	1	
Check operator's manual for maximum wind speed a lift wind speeds that exceed 30 Km/h are subject to a Risk					
Maximum Forecasted Wind Speed			mph	1	

10.0 LIFTING PERSONNEL		
Check here ☐ if this section is not applicable to this lift.		
Is this the best access mode to the work location? Have other options been considered?	Y□	N□
Has the basket or cage been designed and approved by a Professional Engineer as per CSA Z150 or equivalent?	Y□	Ν□
Does the basket or cage have a valid inspection certificate?	Y□	N□
Is the capacity clearly marked on the basket or cage?	Υ□	Z
Is there a secondary means of support connected above the hook?	Y□	ΝП
Are the lifting slings dedicated to personnel lifting only?	Υ□	N□
Does the personnel have the required safety equipment? (Fall arrest and others)	Y□	ПП
Is there a fixed fall arrest support point for each person?	Y□	ПП
Does the applicable crane winch have power-down capability to prevent free-fall?	Y□	ΝП
Was the anti-two-block noted as working in the Pre-Op inspection?	Y□	ΝП
Has a competent person inspected all crane structural elements prior to the lift?	Υ□	N□
Has the crane operator been instructed to remain at the controls during the lift?	Y□	N□
Is the operator aware that the crane shall not be traveled during the lift?	Y□	ΝП
Has the "Emergency Rescue Plan" been completed and communicated to crew?	Y□	N□
Has a trial lift been carried out for the secondary and primary supports as per code?	Υ□	N□

11.0 LIFT COMPUTATION			
Component	Information		
Boom Length		ft	
Jib Length		ft	
Lowest Boom Angle		ft	
Max. Load Radius (Consider side and rear)		ft	
Outrigger Footplate Size (OK? Y □ N □)		ft ²	
Counter Weight Configuration (OK? Y ☐ N ☐)		lbs	
Temperature De-rating (if applicable – check manual)		lbs	
Wind Speed De-rating (if applicable – check manual)		lbs	
Other			
If the lifting device is used for lifting person	onnel, use only 50% of the rated capa	acity.	
Lifting Device Capacity as Configured		lbs	
Max. Cargo and Container Weight (in/out of water?)		lbs	
Lifting Block and Hook Weight		lbs	
Hoist Rope Weight (# parts x length x unit wt.)		lbs	
Rigging Weight (Slings, Shackles, Load Cell, Spreader Beam)		lbs	
Effective jib and ball weight if not used for lift.		lbs	
Other			
If dynamic loading is of concern, due to travel with load, operating speeds, or boom movement, multiply the loads above by a factor of 1.25. Safely tie load to crane to prevent swing out, if travelling.			
Is there potential that the load is frozen, stuck, caught on other structures or ground, or under water? If yes, ensure load is free before attempting lift. $Y \square N \square$			
Total Lift Weight		lbs	
Total Lift Weight Shall Not Exceed Capacity as Configured			

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12.0 LIFT-TEAM PERSONNEL				
Component	Information			
Number of people needed to complete lift				
Is the rigger(s)/spotter(s) trained, competent and qualified? Crane operator can designate rigger(s).	Y□	N 🗆		
Is the crane operator(s) trained, competent and qualified?	Y□	N□		
Method of communication between spotter/rigger and crane operator?	Radio□	Hand Signals □		
Method of communication between multiple crane operators in close proximity? Must communicate prior to each swing movement.	Radio □	Hand Signals □		

13.0 LIFT PL	AN SIGN-OFF		
Crane Operator: I have been briefed of the contents of this lift plan and accept the duty of			
ensuring the lift is carried out to the agreed procedure, to the limits of my responsibilities.			
(If the lift continues through a shift change, the new operator shall review and sign above the original name.)	Name	Signature	Date
Lifting Rigger: I have been briefed of the contents of this lift plan and accept the duty of ensuring the lift is carried out to the agreed			
procedure, to the limits of my responsibilities.	Name	Signature	Date
Lifting Supervisor: I have been briefed of the contents of this lift plan and accept the duty of ensuring the lift is carried out to the agreed			
procedure.	Name	Signature	Date
Lift Planner: I confirm that I have planned this lift in accordance with IOC Procedures and accept			
the responsibilities of my position.	Name	Signature	Date

REMEMBER to "Take Five" before beginning lift!

REMEMBER to complete Lifting device pre-operational checklist!

EMERGENCY RESCUE PLAN

IOC FORM C6-04, REV. 1.0

In the event of an emergency incident (**IF SECTION 10 IS APPLICABLE**) the following procedure is to be followed:

• Recovery of persons

Task
Person(s) in Charge of Job
Person Assigned to Task
Response/Rescue Method
How
Who
Equipment
Communications Used
Resources

ATTACH A RISK ASSESSMENT AND ANY OTHER ADDITIONAL INFORMATION TO SUPPORT THE RESCUE PLAN

EMERGENCY RESCUE/PLAN CHECKLIST								
ITEM	DESCRIPTION		REQUIRED	LOCATION OF EQUIP.	EQUIP. CHECKED			
1.	WORKING AT HEIGHTS		□ Yes □ No		□ Yes □ No			
2.	TRAINED AND A	PPOINTED PERSONNEL	□ Yes □ No		□ Yes □ No			
3.	RISK ASSESSME	ENT	□ Yes □ No		□ Yes □ No			
4.	RESCUE PLAN C UNDERSTOOD	COMPLETED AND	□ Yes □ No		□ Yes □ No			
5.	PERSONAL PROTECTION EQUIPMENT		□ Yes □ No		□ Yes □ No			
6.	FIRST AID KIT		□ Yes □ No		□ Yes □ No			
7.	COMMUNICATION		□ Yes □ No		□ Yes □ No			
8.	BREATHING APPARATUS		□ Yes □ No		□ Yes □ No			
9.	LIFE GUARD 10 MINUTE OXYGEN PACK		□ Yes □ No		□ Yes □ No			
10.	RESUSCITATOR UNIT		□ Yes □ No		□ Yes □ No			
11.	RELEVANT SAFE WORK PROCEDURES		□ Yes □ No		□ Yes □ No			
Other equipment available								

CLOSE-OUT OF LIFT PLAN

IOC FORM C6-05, REV. 1

I HEREBY CLOSE THIS PLAN:

	CONFIRM THE IMMEDIATE WORK AREA HAS BEEN TIDIED							
	CONFIRM THAT ALL PERSONNEL WORKING UNDER THE PLAN AND PERMIT HAVE SIGNED OFF AND LEFT THE WORK AREA							
	CONFIRM THERE HAS BEEN NO DAMAGE TO THE ENVIRONMENT FROM THE WORK CONDUCTED							
	WHERE EQUIPMENT IS UNABLE TO BE RETURNED TO SERVICE AN "OUT OF SERVICE" TAG HAS BEEN PLACED ON THE RELEVANT ITEM							
	HAVE VISUALLY INSPECTED THE WORK AREA TO ENSURE THE TASK IS COMPLETE AND THE EQUIPMENT IS SAFE AND READY FOR SERVICE.							
	ENSURED COPY OF PLAN IS PLACED IN CRITICAL LIFT REGISTRY							
	HAVE NOTIFIED THE ACTIVITY SUPERVISOR OR JOB-CO-ORDINATOR OF THE JOB STATUS							
PERSON IN CHARGE OF JOB (Block Letters)								
SIGNATURE								
LIFT PLAN		Date		Time				