

NMO Mobile Crane Operator's Lifting Plan	

<u>PRELIMINARY</u>	Wind	mph Tem	ιp	deg. F
	Crane inspected?	Yes No)	
IIEM IO BE LIFTE	<u>:D</u>	14	1: -141-	L e a ette
Net weight	Height	VV	/idth	Length
Woight of:	Pigging Coor	Docori	iho:	
weight of.	Hoist Block	Desch		
	Hoist Booo			
	lib/Ely	(Stow	ed/Erected/Stored)	
	Aux Block	(510W6	su/Liecleu/Sloreu)	
	Hoodocho Boll	Exton	dod or Potractod?	
	Other attach			
		Desch		
	Total combined weight:		(I oad chart deduc	tions necessary?)
	Gross weight:			
LIFTING CRANE				
	Radius at load nick up point in	ft		
		Verified against Ic	ad chart: YES NO	
		vonnoù agantot io		
	Radius at load set down point i	in ft.		
	· · · · · · · · · · · · · · · · · · ·	Verified against lo	ad chart: YES NO	
	While suspended, will load eve	er exceed maximum ra	adius indicated above, o	during
	operation? YES	NO		C C
	If YES, verified aga	inst load chart:	YE	S NO
SKETCH & EXPLA	IN LIFT SEQUENCE (On back	of this form)		
MINI - CHECK				
	Foundation	Level	Hoist F	२оре
	Tagline	Brakes	Outrig	gers
	Rotating Table	Boom	Contro	ols
	Head set	Vision	Lubrica	ation
	Lights/Horns	Rigging	Load S	Scale
LIMITATIONS				
	Head Height	Obstructions	Explai	n:
	Vertical Lift	Attach Points		
	Horiz. Trav <u>el</u>	Radius		
	Powerlines	Load Flexing		
00514				
CREW				
	Lead Rigger			
	Rigger(s)			
	Rigger(s)			
	Signaler			
	Spotter(s)			
	I allboard Meeting			
	Tasks assigned?	YES NO		

NMO CRITICAL LIFT PLAN SHEET

HYDRAULIC / LATTICE MOBILE CRANE

Un	it #:				Date:		
Lo	cation:						
Lo	ad Description:						
Lif	Description:						
Dia	gram of Crane Lift & Load Placement Attached:	Yes			No		
Loa	ad		F.	Crane	Placement		
1	. Load condition:			1.	Any deviation from smooth, soli	d foundation?	
2	. Wt. Empty	lbs.					
3	. Wt. of Contents	lbs.		2.	High voltage or electrical hazard	ds?	
4	. Wt. of Aux. Block	lbs.					
5	. Wt. of Main Block	lbs.		3.	Buildings, Equipment, Plant, or	Services to lift or	swing over?
6	. Wt. of Lifting Beam	lbs.					
7	. Wt. Of Slings/Shackles/Other Rigging	lbs.		4.	Travel ?		
8	. Wt. Of Jib (erected/stowed/stored)	lbs.					
g	. Wt. Of Hoist Rope (extra)	lbs.		5.	Swing direction ?		
10	0. Wt. Of Excess Load Material	lbs.					
1	1. Other	lbs.	G.	Consi	derations		
	Gross Weight	lbs.		1.	If lift exceeds 75% of crane's ca	pacity, attach	
					additional special instructions, r	estrictions,	
So	urce of Load Wt. Information: (drawings, calcs.,ect.)	Wt. Information: (drawings, calcs.,ect.) diagrams for crane, rigging, lift, ect.					
					Yes No		
Loa	d Wt. Confirmed by:			2.	Multiple crane lifts require a s	eparate plan for	
					each crane.		
Cra	ine			3.	Any changes in the crane config	guration,	
1	. Type of Crane				placement, rigging, lifting schen	ne, or calculations	
2	Maximum Crane Capacity.				require that a new critical lift pla	n be developed.	
3	. Boom Length						
4	. Radius at Pick-up ft./Set-down	ft	H.	Pre-lif	t checklist-Completed Prior to	Lift	
5	. Crane capicity at radius: over rear	lbs.		1.	Crane inspected	10.	_Rigger Qualified
	Over side lbs. / Over front	lbs.		2.	Rigging inspected	11	Signal system
6	Boom angle at Pick-upft. / Set-down	ft.		3.	Crane set-up	12.	Tag lines
7	. Max. rated capacity of crane at this boom length, radius and			4.	Swing room	13.	Wind/Temp.
	boom angle for this lift is	_ lbs.		5.	Hoist height	14	_Safety spotter
8	. Max. load on crane for this lift is	_lbs.		6.	Head room	15.	_Traffic
g 	 Lift is% of the crane's rated capa 	icity		7.	Crane Ctrwt.	16.	_Tailboard
Jib	/Fly			8.	Load test	17.	Site control
1	. Erected Stowed Stored			9.	Operator Qualified	18	_Signatures
3	Rated capacity of jib/fly from chart angle	lbs.	I.	Notes	Comments		
Но	Ist Rope						
1	. Kope diameter Number of parts	lha					
2	LIIT Capacity based on parts	IDS.					
Rig	ging						
1	. Hitch type			Supervisor Signature Date			
2	. No. of slings Size Type						
3	Sling assembly rated capacity	lbs.					
4	. Shackle size No. of shackles			Crane	Operator Signature		Date
_	. Shackle rated capacity	lbs.					
5							

<u>Critical Lift Criteria</u> What Constitutes A Critical Lift?

- > When the gross load value exceeds 75% of the total crane's capacity.
- > When the gross load being lifted exceeds 80% of the crane's capacity chart.
- ➤ When the load replacement time exceeds 10 days.
- > When the loss of the load during installation will cause a loss of production exceeding 10 day or cost of \$100,000.
- > When the loss of the load constitutes a risk to the public or to the environment, i.e. chlorine or acid.
- When the lift require 2 or more cranes.
 o Note: Never exceed 75% of each crane during a multi-crane lift.
- > When the load has to be swung over an unprotected plant, equipment or service.
- > When the lift is performed in proximity of live electrical conductors.