SAFETY INSPECTION CHECK LIST FOR CONSTRUCTION EQUIPMENT U. S. Army Engineer Division, Mississippi Valley						
Contractor or I		Contract Number - Job Descri	iption			
Type of Equipment & Boom Length Make, Model No., Identification					·	
Inspected by (
	CRANES AND DERRI f Engineers General Safety Requirements (EM 385-1-1)	references are shown in parenthese		Yes	No	Not App
near pov (11.E.04	f the required clearances from overhead power wer lines, boom shall have insulating cage guar , 11.E.07)	rd and load line shall have insula				
	rating charts with the machine? (16.C.01, 16.C					
3. Is a list o	f standard hand signals posted in cab? (16.C.1	0, 08.B.01, 08.B.02)				
4. Are shoc	k absorbing boom stops installed on machine?	(16.D.02)				
5. Has the r	manufacturer certified the boom stops? (16.D.0	2)	-			
6. Does the	boom angle, levelness, and other indicators op-	erate accurately? (16.D.01)	· · · · · · · · · · · · · · · · · · ·			
	unit have a suitable fire extinguisher? (16.A.26					
	ng parts, gears, drums, shafts, belts adequate		3 03)			
	adequate protection from hot pipes, etc? (16.B.					
	, ladders, guard rails, provided for safe footing)1)			
	cation and greasing be done safely? (16.B.13)	y and access: (10.D.00, 21.A.0	,,,			
		dee2 (46 D 40)				
	equipped with unbroken distortion free safety of		44			
exhaust '	nk located so that overflow and spills will not rue? (16.B.04)		nun 			
	t shut down for fueling, servicing, etc? (16.A.1					
	s, fastenings, fittings inspected daily by a qualific					
	pe inspected by a competent person frequently					
loosening	edge socket type fasteners are used, has the deg? (15.B.04)	ead end been made secure agai	nst			
	air tanks been tested and certified? (20.A.02)					
18. Are test a	and inspection records kept available as a part of	of the official project file? (16.A.	01)			
(ANSI)	evidence of deformed, cracked, or corroded mem		oom? *			
20. Do the dr	ums have proper pawls or positive locking device	ces? (16.B.14)				
positions	ufficient cable available so as to allow three full? (16.C.09)	·	ng			
maladjus	inspections being made of all control mechanis tment interfering with proper operation? *					
compone	ctions being made, at least monthly, of control ints, and contamination by lubricants, or other f	oreign matter? *	ar of			
	ent (daily to monthly) inspections being made of					
	inspections for deterioration, or leakage in air or					
cracks or	hook inspections being made frequently (daily that the normal hook throat opening has not inc		are no			
	vidence of loose bolts or rivets? * (ANSI)					
28. Is there e	vidence of cracked or worn sheaves or drums?	(15.F.04)				
29. Are parts distorted?	such as pins, bearings, shafts, gears, rollers, and	nd locking devices worn, cracke	ed, or			
* (Ref Contra	ct Special Clauses) (Conti	nued on reverse)				

CRANES AND DERRICKS								T	Not
30. Is there	aridana of ove						Yes	No	App
	e evidence of exce e evidence of exce	essive wear on i	brake and clutter	n system parts?	*			 	<u> </u>
32. Is the p	power plant in goo	od mechanical co	ondition? *				+	+	
33. Are acc	cessible areas witt	thin the swing rad	idius of the rear	barricaded? (16	i.C.08)	. 3	+	+_	+
34. Has a b (16.D.0)	boom hoist diseng	aging device be	en installed on	cranes with cable	e supported boor	ms?			
35. Is there	a current set of	operator's manı	uals available?	(16.C.01)			+	+-	+
36. Are crar	nes and derricks of	operated by qua	alified operators?	? (16.C.04)			+	1	<u> </u>
37. Have lat	attice and Hydrauliock contacts the b	ic cranes been e	equipped with a	device to stop th	ne load hoisting b	efore the			
	Stability Test:	100m up: (10.0	.01)		· · · · · · · · · · · · · · · · · · ·		<u> </u>	┸—	<u> </u>
	t of counterweigh	ıt:	lb.						
Boom Angle	Distance from Center Pin to Load Line R (ft)	Tipping Load I (lb) With Without Outriggers Outriggers		Mornent R x I With Without Outriggers Outriggers			L=0.75	Allowable Load 0.75 I Without Outriggers	
							5		gers
20°									
40°									
60°					·· <u>··</u> ·		_		
80°									
₹. ÷			•						
b. Determ PTL=(*	nnce Test: elete items 1-32 on mine performance (1.25)(L) on the boom in the	e test load (PTL)							
40. Remarks						-			