SAFETY INSPECTION CHECKLIST FOR CONSTRUCTION EQUIPMENT

Contractor:	Project No.:
Type of Equipment:	Number:
Date of Inspection:	
Inspected by: (Signature)	Approved by: (Signature)

	CRANES, SHOVELS, DERRICKS, DRAGLINES, PAVERS, SCRAPERS, GRADERS, PANS, LOADERS, DUMP TRUCKS, AND SIMILAR HEAVY EQUIPMENT	Yes	No	Action Taken
1.	Is emergency braking system on heavy duty haulage equipment capable of automatically stopping equipment upon failure in service brake system? Can system be manually operated from drivers position:			
2.	Are required rollover protection and seat belts provided on tractors, self-propelled pneumatic tired earthmovers, tank trucks and similar equipment?			
3.	Are belts, gears, shafts, pulleys, sprockets, spindles, drums, flywheels, chains or other reciprocating or rotating parts adequately guarded?			
4.	Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated?			
5.	Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust or electrical equipment?			
6.	Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator?			
7.	Are platforms, catwalks, steps, hand holds, guardrails and toeboards provided to assure safe footing and accessways?			
8.	Is adequate protection for operator provided against the elements, falling or flying objects, swinging loads, backlash of winch cables and similar hazards?			
9.	If equipment is to be operated on highways, is it equipped with turn signals?			
10.	Are positive stops or limited devices provided for equipment operated on rails?			
11.	Is all of the glass, which is installed in the operator's compartment safety glass?			
12.	Is the crane equipped with shock-absorbing type boom stop? (Cable stops are not acceptable.)			
13.	Is a safe-load-capacity chart for various boom radii posted in the cab of the crane? Is this chart applicable to present boom length, counter weight, etc.? (Should the contractor choose to downgrade this equipment a new safe-load-capacity chart indicating the maximum safe load as determined by test in compliance with No. 31 will be posed conspicuously in the equipment before the operator.)			
14.	Do all points requiring lubrication during operation have such fittings located or guarded in such manner that personnel servicing the equipment are protected from injury?			
15.	Do all modifications, extensions, replacement parts, and/or repairs to equipment maintain the minimum factor of safety as the originally designed equipment?			
16.	Are all sections of the boom constructed of the same size structural members?			
17.	Are any of the structural members bent or rusted, or do they otherwise show signs of damage?			
18.	Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices?			
19.	Is there sufficient cable to allow two full wraps of cable on drums at all working positions?			
20.	Is hoist braking equipment capable of holding a load of at least the full rated load?			
21.	Are traveling rail mounted gantry cranes equipped with a warning device which will sound continuously when crane is in motion?			
22.	Are all wire ropes or cables in good operating condition?			
23.	Are drums, sheaves, sheave pins, and pulleys smooth and free of defects?			
24.	Are wire rope sockets, splices, thimbles, and clips adequate and properly applied?			
25.	Are anti-two block devices operating properly?			
26.	Are hooks, shackles, rings, pad eyes, and other fittings in good condition?			
27.	Are running lines of hoisting equipment exposed to hazardous contact adequately guarded?			
28.	Are fueling cans used with this equipment approved type safety cans?			
29.	Have means been provided to permit the operator of crawler, truck and wheel (mounted) crane to visually determine the levelness of unit?			
30.	Are adequate Class B fire extinguishers installed on the equipment charged and ready for use, suitably placed, and distinctly marked, and is accessibility to them no obstructed?			

31.	Are operators experienced and able to read and understand signs, notices, operating instructions and signal code to be used? a. Does he have any physical or emotional limitations? b. Are his vision and hearing good? c. Does he have a heart condition, epilepsy, or other ailment detrimental to safe operation of the equipment?			
32.	Performance Test. Prior to being placed in operation, all cranes, derricks, and other hoisting equipment will be given a performance test. This test will be the basis upon which the equipment is rated for the current contract. Particular attention shall be given that <u>under no circumstances will the maximum anticipated load used for computing performance test load exceed the manufacturer's rating.</u>			
33.	Are adequate guardrails provided around the skips of pavers, concrete mixers, and similar equipment? Guard is required for open end of skip.			
34.	Are all motor vehicles equipped as follows: a. Directional signal lights both front and rear? b. Two headlights: one on each side: one red taillight and one red or amber stop light <u>for operation between sunset and sunrise when applicable?</u>			
35.	Are brakes on wheeled equipment in good operating condition?			
36.	Are windshields on equipment provided with windshield wipers in proper operating condition?			
37.	Is glass in windshields, windows, and door safety glass?			
38.	Are all motor vehicles equipped with a speedometer, a fuel gauge and an adequate audible warning device?			
39.	Are running boards and steps of vehicles provided with non-slip surfaces?			
40.	Are dump bodies provided with hinged struts or other suitable devices for locking body in raised position?			
41.	Are tailgate dumping devices so arranged that operator will be in the clear while dumping load?			
42.	Is engine equipped with power-operated starting device in operative condition?			
43.	Are towing devices structurally adequate and properly mounted?			
44.	If equipment is to be operated on airfield landing areas, is it equipped with proper flags?			
45.	Are all self-propelled construction equipment except light service trucks such as panels, pickups, station wagons, crawler-type cranes, power shovels, and draglines equipped with a reverse signal alarm which will operate automatically when the vehicle moves in reverse and will give suitable audible sound alarm for the conditions and circumstances under which the equipment is operated?			
46.	Remarks:			