



1701 2ND AVE | SHELDON, IA 51201 | 712-324-5001

MOBILE CRANE INSPECTION CHECKLIST

OSHA / ANSI Initial Inspection Checklist

Date: _____

Unit #	Unit Serial #	Inspector:
Crane Model:	Crane Serial #	Max. Crane Capacity:

- Crane must be away from power lines and leveled with outriggers fully extended before inspecting and operating.
- OSHA and ANSI require qualified and competent individuals to inspect/operate cranes.
- Inspectors must have been through training, have extensive knowledge and demonstrate ability in the subject matter.

References: O = OSHA Subpart CC, 1910.180, PCSA#2.
A = ANSI/ASME B30.5 (Latest), ASME B30.10 (Latest)

Status: ✓ = Satisfactory X = Deficiency
R = Recommendation N/A = Not Applicable

REFERENCE	#	ITEM	STATUS
HISTORICAL DATA			
O - 1926.1412(e)(3)	1	Monthly Inspection Records	
A - B30.5-2.3.1(a)	2	Maintenance Records	
O - 1926.1434(a)	3	Modification Records	
A - B30.5-2.2.2(a)(2)	4	Initial & post-repair Load Test Records	
GENERAL			
O - 1926.1433(d)(8)	5	Guards / Covers	
O - 1926.601(b)(i)&(ii)	6	External Lights	
O - 1926.1433(d)(5)	7	Warning Decals	
A - B30.5-3.4.7	8	Housekeeping	
O - 1926.1422	9	Hand Signal Chart	
A - B30.5.2.2.1(a)	10	No-Load Operational Test	
DRIVER'S CAB			
A - B30.5-1.8.3(b)	11	Access - Grab Rails / Steps	
A - B30.5-3.4.9(a)	12	Fire Extinguisher	
A - B30.5-2.1.3(m)	13	PTO (Power Take Off)	
O - 1926.601(b)(1)	14	Parking Brake	
A - B30.5-2-1.2(a)(4)	15	Air / Hydraulic Lines	
A - B30.5-2.1.3(a)(6)	16	Instruments / Gauges	
A - B30.5-2.1.2(3) & (7)	17	Electrical Switches / Functions	
O - 1926.601(b)(3)	18	Horn	
A - B30.5-2.1.3(a)(10)	19	Steering	
A - B30.5-1.6.4	20	Clutch	
O - 1926.601(b)(1)	21	Brake	
O - PCSA#2 8.01	22	Operator's manual	
POWER GENERATOR (TRUCK OR AUX ENG)			
O - 1926.1412(f)(2)(vi)	23	Performance	
O - 1926.1433(d)(9)	24	Exhaust System / Guards & Insulators	
O - 1926.1433(d)(8)	25	Belts / Hoses	
O - 1926.1433(d)(8)	26	Guards/Covers - Rot & Recip. Parts	
CHASSIS/CARRIER			
O - 1926.601 (b)(14)	27	Transmission	
O - 1926.601 (b)(14)	28	Driveline	
O - 1926.1412(f)(2)(ix)	29	Tires/Wheels	
O - PCSA #2 8.3.3.5(3)	30	Tire Air pressure	
O - 1926.1412(f)(2)(i)(A)	31	Main Frame Members	
O - 1926.1412(f)(2)(x)	32	Hydraulic hoses / Tubes / Fittings	
O - 1926.1412(d)(1)(iv)	33	Hydraulic Fluid Level	
O - 1926.1423(c)(3)(ii)	34	Anti-Skid Surface	
O - 1926.601(b)(4)(l)	35	Backup Alarm	

REFERENCE	#	ITEM	STATUS
OUTRIGGERS			
O - 1926.1412(f)(2)(i)(A)	36	Beams	
A - B30.5-1.9.3(a)	37	Outrigger Lock (if manual extend)	
O - 1926.1412(f)(2)(xiii)	38	Cylinders	
O - 1926.1412(f)(2)(xiv)	39	Outrigger Sandpads	
O - 1926.1412(f)(2)(x)	40	Hydraulic Hoses / Tubes / Fittings	
O - 1926.1412(f)(2)(xii)	41	Holding Valves (Vertical O.R. cylinders)	
O - 1926.1433(d)(5)	42	Caution / Warning Decals	
OPERATOR CONTROLS			
O - 1926.1412(f)(2)(xxi)	43	Grab Rails / Steps / Platforms	
O - 1926.1423(c)(3)(ii)	44	Anti-Skid Surface	
O - 1926.1407(g)	45	Electrocution Warning Decal on Remote	
A - B30.5-1.6.1(b)	46	Fully Operating Remote	
A - B30.5-1.6.1(a)	47	Controls Identified	
O - 1926.1412(d)(1)(l)	48	Controls - Forces / Movements / Proportional	
O - PCSA#2 8.2.1.3	49	Hydraulic Leaks	
O - 1926.1415(a)(7)	50	Horn - Warning Device	
A - B30.5-1.6.3(a)	51	Remote Start/Stop	
A - B30.5-1.6.3(b)	52	Speed Control on Remote	
O - PCSA#2 8.1.4	53	Hydraulic Pressure	
LOAD CHART			
O - 1926.1433(d)(1)	54	Per Configuration (correct per crane model)	
O - 1910.180(c)(2)	55	Durable	
O - 1910.180(c)(2)	56	Legible	
O - 1926.1417(c)(1)	57	Both Sides of Tower (Visible from Operator's Station)	
O - 1910.180(c)(2)	58	Securely Attached	
SAFETY DEVICES/OPERATIONAL AIDE			
O - 1926.1416(e)(1)	59	Boom Angle indicator (both sides)	
O - 1926.1416(e)(3)	60	Boom length Indicator	
O - 1926.1416(e)(4)	61	Overload Protection System	
O - 1926.1426(b)(4)	62	Counterbalance Valve	
O - 1926.1415(a)(1)	63	Crane level Indicator	
O - 1926.1416(d)(3)(l)	64	Anti-2-Block Device	
TOWER/WINCH			
O - 1926.1412(f)(2)(iii)	65	Rotate & Bearing	
O - 1926.1412(f)(2)(i)(B)	66	Bolts installed & Torqued (top and bottom)	
O - 1926.1412(f)(2)(x)	67	Hydraulic Hoses / Tubes / Fittings	
O - 1926.1412(f)(2)(xvi)	68	Electric Wiring	
A - B30.5-1.9.11(g)	69	Electrocution Warning Decal	

REFERENCE	#	ITEM	STATUS
		WINCH	
A - B30.5-2.1.3(m)	70	Hydraulic Motors	
A - B30.5-1.3.2(2)©	71	Winch - Wrapping on Drum (1/2" Freeboard)	
O - 1926.1413(a)(4)(i)(B)	72	Winch - Minimum (2) Rope Wraps - max ext	
O - 1926.1433(d)(13)	73	Winch Brake	
		MAIN BOOM	
O - 1926.1412(f)(2)(xiii)	74	Lift cylinder	
O - 1926.1412(f)(2)(xiii)	75	Extend Cylinder	
O - 1926.1412(f)(2)(x)	76	Hydraulic Hoses / Tubes / Fittings	
O - PCSA #2 4.07.1	77	Boom Section Alignment	
O - 1926.1412(f)(2)(xv)	78	Wear pads	
O - 1926.1412(f)(2)(ii)	79	Sheave(s)	
O - 1926.1413(a)(2)(i)(D)	80	Wire Rope End	
A - B30.5-1.7.4(b)	81	Wire Rope Retainer (Close Fitting Guards)	
O - 1926.1412(f)(2)(iii)	82	Tower & Lift Cylinder Pins	
O - 1926.1412(f)(2)(l)	83	Sheave plate head section	
O - 1926.1412(f)(2)(i)(A)	84	Structure	
		LOAD BLOCK & HOOK	
O - 1926.1433(d)(3)	85	Capacity marking	
O - 1926.1433(d)(3)	86	Weight marking	
O - 1926.1412(f)(2)(ii)	87	Sheave	
A - B30.5-1.7.4(b)	88	Wire Rope Retainer (Close Fitting Guard)	
O - 1926.1433(d)(4)	89	Safety Latching Mechanism	
A - B30.10-1.10.5(f)	90	0° Hook Bend or Twist	
A - B30.10-1.10.5(g)	91	5% Hook Opening or 1/4" Max	
A - B30.10-1.10.5(e)	92	10% Hook Wear Max	
O - 1926.1412(f)(2)(iii)	93	Hook Swivel/Bearing	

O-B30.5-2.2.2	LOAD TEST - MAIN BOOM:
Extended Length	
Load Radius	
Boom Angle	
Parts of Line	
Rated Capacity	
Test Weight	
%of Rated Capacity	

Results of Load Test: ___ Passed ___ Failed ___ Not Applicable

Explanation:

HOOK THROAT OPENING

X = _____



WIRE ROPE - O-1926.1413		
DIAMETER	CLASSIFICATION	GRADE

DEFICIENCY / RECOMMENDATION REPORT X = Deficiency R = Recommendation

The following corrective actions are to be performed by a qualified person in accordance with the manufacturer's specifications and requirements. OSHA requires that, "any deficiency **X shall** be repaired or defective parts replaced before continued use."

Recommendations **R should** be considered for corrective action. The advisability of a particular recommendation depends on each situation. Any corrective action must be performed by a qualified person in accordance with manufacturer's specifications and requirements.

X / R	ITEM #	EXPLANATION	DATE CORRECTED