



MOBILE CRANE OPERATOR'S LOG Permanent Record

This is a guide to assist in meeting the requirements of subsection 213.31(4) of *General Regulation 91-191* under the *Occupational Health and Safety (OHS) Act*.

This permanent record is to be kept with the machine at all times. The data enclosed should be supplemented with the manufacturer's specifications for the specific model of crane.

Employers must ensure that each mobile crane has a crane log that provides the complete machine history for the crane. This permanent record does not address the crane log requirements. Paragraph 213.4(1) and (2) of the *General Regulation 91-191* provides the legal requirements for crane logs.

The OHS Guide to Legislation has more information on employer and operator requirements when working with mobile cranes:
<http://ohsguide.worksafenb.ca/topic/mobilecranes.html>

Crane Owner _____

Make of Crane _____

Unit No. _____

Model No. _____

Serial No. _____

Max. Rating _____

Daily/Shift Mobile Crane Operator's Log Visual Inspection

Mobile cranes must be inspected by the operator on a daily basis when in use. If more than one operator uses a mobile crane, or the crane is used on more than one shift, each operator must visually inspect the crane as specified in subsections 213.31(1) and 213.31(2) of *General Regulation 91-191*. The results of the inspection, including any deficiencies, must be recorded in an operator's log as specified in subsection 213.31(4) of *General Regulation 91-191*.

The items listed are intended as a guide for performing daily visual inspections on components that have a direct bearing on the safety of the mobile crane and whose status may change with day-to-day use. The items listed, but not necessarily restricted to, shall be inspected for defects and observed during operation for defects that may occur.

For a complete inspection list of the unit in use, please consult the manufacturer's recommendations.

Operating controls	Check for maladjustment or malfunctioning, excessive wear and contamination of lubricants or other foreign matter and proper operating control identification.
Boom angle indicator	Ensure angle indicator is in view of operator and functioning properly.
Load charts	Ensure load charts are in place and readable from operator's station. Operator must be competent in interpreting load charts.
Level indicator	Ensure crane is level, check level indicator or use hand level.
Safety devices	Check for proper functioning of anti-two block system, motion sensors, moment load indicators, etc.
Wire ropes	Check load lines, jib suspension lines and boom hoist lines for broken strands, birdcaging, kinking or core protrusion.
Air/hydraulic components	Check for leaks in cylinders and hoses, hoses for blistering or abnormalities, drifting caused by fluid leakage, moisture accumulation and signs of excessive wear.
Electrical systems	Check for proper functioning, signs of excessive deterioration, dirt, icing and moisture accumulation.
Hooks, hook blocks and swivels	Check for excessive wear, deformation, after cracks, chemical and heat damage, and safety latch. Check for freedom of rotation for the swivel.
Clutches, brakes and locks	Check for proper functioning.
Outriggers	Check for ability to retract and extend, ability to bear loads and for any structural damage.
Fluid levels	Check engine and hydraulic fluids for correct levels.
Boom and components	Check boom alignment and boom components for corroded, bent or deformed members.
Hoisting drums	Check for proper functioning, correct spooling of cable on drum and ensure at least two full wraps on drum when hook is in extreme low position or as per manufacturer's specifications.
Turntable	Check for proper functioning, smooth start and stop and for loose bolts and damaged rollers.
Tires	Check for the recommended pressure.

Mobile Crane Inspection Requirements

Operator must visually inspect the mobile crane daily in accordance with subsection 213.31(1) of *General Regulation 91-191*.

Indicate inspected items with a check. ✓

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