

SCOPE OF WORK

1. REPAIR OF LIFTING LUGS FOR STOP LOGS:
 - 1.1. PRIOR TO THE COMMENCEMENT OF WORK, EACH LIFTING LUG SHALL BE STAMPED WITH THE SPECIFIC LOG ID AND POSITION (LEFT OR RIGHT).
 - 1.2. FOOTPRINT OF EACH LIFTING LUG WILL BE DEMARCATED BY SPRAYING THE LUG/STEEL PLATE INTERFACE.
 - 1.3. ALL LIFTING LUGS SHALL BE DETACHED FROM THE STOP LOGS BY REMOVING EXISTING BOLTS. IN THE CASE OF STOP LOG C2, WHERE THE LIFTING LUG HAS BEEN WELDED AT CORNERS TO THE STOP LOG STEEL PLATE, THE WELDS SHALL BE GROUND OUT CAREFULLY TO AVOID CUTTING THE BASE MATERIAL OR CASTING.
 - 1.4. ALL LUGS SHALL BE SANDBLASTED AND A VISUAL INSPECTION COMPLETED TO ENSURE ALL EXISTING CRACKS CAN BE IDENTIFIED ON THE PREPARED LUGS. THIS SHALL BE FOLLOWED BY MAGNETIC PARTICLE INSPECTION (MPI) TO MAP CRACKS AND DEFECTS.
 - 1.5. CARRY OUT CHEMICAL ANALYSIS OF THE LUG METAL TO DETERMINE ITS MATERIAL MAKE-UP. THIS WILL BE NEEDED TO DETERMINE PREHEAT REQUIREMENTS FOR REPAIRS.
 - 1.6. AFTER ALL CRACKS AND DEFECTS ARE IDENTIFIED, A REPAIR PROCEDURE SHALL BE DEVELOPED BY A METALLURGICAL ENGINEER OR A CSA 178.2 LEVEL 3 VISUAL INSPECTOR. IN GENERAL THE PROCEDURE SHALL INCLUDE: PREPARATION OF CRACKS FOR WELDING, ELECTRODES, PROCESS, PREHEAT, MAX INTERPASS TEMPERATURE, RATE OF COOLING, NDE REQUIREMENTS DURING AND AFTER REPAIRS, AND FINAL PROFILE OF REPAIR AREA. THE REPAIR PROCEDURE SHALL REFERENCE ALL APPLICABLE CODES AND STANDARDS.
 - 1.7. NOTE: SOME CRACKS AND DEFECTS MAY ONLY BE ON THE SURFACE AND THE CONTRACTOR MAY BE ABLE TO GRIND THEM OUT AND COMPLETE MPI TO CONFIRM CRACKS HAVE BEEN REMOVED.
 - 1.8. AFTER REPAIRS, THE LUGS SHALL BE PROTECTED WITH AN APPROPRIATE COATING, UNTIL A FULL COATING SYSTEM IS APPLIED.
2. OTHER REPAIRS TO STOP LOGS AND LIFTING BOOM:
 - 2.1. REPLACE ALL BOLTS CONNECTING LIFTING LUGS TO STOP LOGS.
 - 2.2. PERFORM CRITICAL REPAIRS TO LIFTING BOOM.
 - 2.3. FREE SEIZED GUIDE AND REACTION ROLLERS.
 - 2.4. REPLACE DAMAGED RUBBER SEALS AND WOOD BLOCKING.
 - 2.5. PERFORM MINOR STRUCTURAL STEEL REPAIRS TO STOP LOGS.
 - 2.6. CLEAN, SANDBLAST, AND REPAINT TO ORIGINAL COLOUR.
 - 2.7. WASH ALL COMPONENTS WITH FRESHWATER AFTER USE AND STORE AS DIRECTED.

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