

Boiler Lifting and Positioning - JSA - C

en-US · Supervision, records, handover · v1.0 · 2026-10-12 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area			Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Prepare lift area							
HP-2 Trial lift and move							
HP-3 Secure and release							
HP-4 Hand over							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Lift package	1. Wrong lifted mass 2. Foundation overload 3. Invalid lift configuration	1. Shipping change omitted 2. Reactions not assigned 3. Drawing revision obsolete	1. Freeze shipping configuration 2. Assign foundation review 3. Brief current lift package	1. Mass and CG evidence 2. Foundation reviewer 3. Lift drawing revision				
2. Lift coordination	1. Load strikes worker 2. Equipment instability 3. Lost lift control	1. Area controller unclear 2. Route change unbriefed 3. Signals not coordinated	1. Assign exclusion owner 2. Control route changes 3. Agree one signal system	1. Area-control briefing 2. Ground and route record 3. Signal-person assignment				
3. Support interface	1. Uneven saddle loading 2. Shell distortion 3. Wrong thermal restraint	1. Civil handover incomplete 2. Gap correction improvised 3. Sliding detail overlooked	1. Review support acceptance 2. Resolve gaps with designer 3. Transfer movement details	1. Support survey reference 2. Approved correction record 3. Fixed/sliding identification				
4. Hook-release gate	1. Sudden support movement 2. Anchor failure 3. Weak grout loading	1. Release owner absent 2. Anchor checks missing 3. Cure evidence unclear	1. Name release authority 2. Review installed anchors 3. Confirm grout acceptance	1. Release scope and time 2. Anchor installation record 3. Grout strength evidence				
5. Defect recovery	1. Unstable load collapse 2. Uncontrolled relift 3. Repeated settlement	1. Recovery plan missing 2. Load condition unclear 3. Cause not documented	1. Retain affected hold 2. Review recovery separately 3. Track cause and reinspection	1. Load-state record 2. Recovery approval scope 3. Corrective inspection				
6. Trade handover	1. Early firing 2. Nozzle overload 3. Blocked thermal travel	1. Mechanical scope unclear 2. Pipe loads not transferred 3. Outstanding holds lost	1. Separate commissioning release 2. Transfer nozzle constraints 3. Record remaining restrictions	1. Mechanical acceptance 2. Next-trade acknowledgement 3. Open holds and owners				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Mass and CG evidence	☐ Area-control briefing	☐ Support survey reference
☐ Release scope and time	☐ Load-state record	☐ Mechanical acceptance
☐ Lift drawing revision	☐ Grout strength evidence	☐ Open holds and owners