

Forklift Flooded Lead-Acid Battery Charging - JSA - C

en-US · Supervision, records, handover · v1.0 · 2026-10-14 · 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 Inspect before connection							
HP-2 Connect with output off							
HP-3 Hold and resolve faults							
HP-4 Hand over truck							

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. Compatibility release	1. Wrong charging profile 2. Battery damage 3. Unsafe on-truck setup	1. Chemistry unidentified 2. Plug fit accepted alone 3. Removal requirement ignored	1. Identify actual battery system 2. Match approved charger settings 3. Confirm permitted arrangement	1. Battery and charger IDs 2. Voltage capacity and profile 3. Manufacturer scope evidence				
2. Bay readiness	1. Gas ignition 2. Acid injury 3. Truck impact	1. Ventilation unverified 2. Flushing not available 3. Bay unprotected	1. Verify actual ventilation 2. Provide emergency provisions 3. Coordinate vehicle protection	1. Ventilation evidence 2. Flushing and spill response 3. Bay access and boundaries				
3. Connection control	1. Connector arc 2. Short-circuit burn 3. Cable damage	1. Output state unclear 2. Metal tools on battery 3. Lead route uncontrolled	1. Define output-off sequence 2. Control conductive objects 3. Assign safe lead routing	1. Connection procedure 2. Cable and connector checks 3. Output and bay status				
4. Charging supervision	1. Delayed overheating response 2. Gas buildup 3. Abnormal charge continued	1. Alarm reset routinely 2. Ventilation failure missed 3. Checks unassigned	1. Assign monitoring responsibility 2. Define fault stop conditions 3. Maintain ignition control	1. Charge indications 2. Ventilation checks 3. Fault response owner				
5. Fault disposition	1. Repeated connector failure 2. Battery-energy injury 3. Acid exposure	1. Repair scope unclear 2. Cause not investigated 3. Untrained cleanup	1. Hold defective combination 2. Assign technical fault review 3. Use trained spill response	1. Fault and part identity 2. Cause and correction record 3. Safe restart evidence				
6. Operating transfer	1. Defective truck reused 2. Unrecorded charge state 3. Unsafe bay restoration	1. Completion inferred from timer 2. Truck checks skipped 3. Restrictions not transferred	1. Record actual charge result 2. Require operating acceptance 3. Transfer unresolved limits	1. Charge and fault record 2. Truck pre-use responsibility 3. Receiving operator acceptance				

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

4. Pre-work checklist

☐ Battery and charger IDs	☐ Ventilation evidence	☐ Connection procedure
☐ Charge indications	☐ Fault and part identity	☐ Charge and fault record
☐ Manufacturer scope evidence	☐ Fault response owner	☐ Receiving operator acceptance