

Oxyacetylene Cutting - JSA - C

en-US · Supervision, records, handover · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

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 gas equipment							
HP-2 Support cut material							
HP-3 Ignite and cut							
HP-4 Shut down supply							

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. Hot-work scope	1. Unknown-residue explosion 2. Wrong-member removal 3. Uncontrolled adjacent work	1. History absent 2. Cut plan outdated 3. Other trades unbriefed	1. Confirm material and boundaries 2. Authorize exact cut scope 3. Coordinate affected areas	1. Member and history record 2. Cut plan and permission 3. Adjacent-work controls				
2. Gas-system acceptance	1. Oxygen fire 2. Wrong-component leak 3. Protection mismatch	1. Cleanliness not assessed 2. Parts selected by appearance 3. Device function assumed	1. Separate cleanliness and leakage 2. Match gas-rated system 3. Verify actual protective functions	1. Gas markings and SDS 2. Component and cleaning status 3. Device and leak-check evidence				
3. Fire and fume planning	1. Hidden ignition 2. Harmful fume exposure 3. Unwatched spread	1. Openings overlooked 2. Coating unknown 3. Watch owner absent	1. Review spark and heat paths 2. Assess material and ventilation 3. Assign required watch and duration	1. Combustible survey 2. Exposure-control basis 3. Watch role and release rule				
4. Cut support release	1. Falling offcut 2. Member movement 3. Hose damage	1. Final cut state unplanned 2. Hands act as support 3. Hose route changes	1. Review each support state 2. Provide independent receiving support 3. Maintain protected service route	1. Retained and cut-piece support 2. Cut sequence and exclusion 3. Hose and clearance check				
5. Abnormal-event control	1. Repeated flashback 2. Heated-cylinder rupture 3. Unsafe field repair	1. Relight without cause review 2. Heat effect dismissed 3. Contamination wiped away	1. Hold affected system 2. Notify responders and supplier 3. Require qualified service decision	1. Observed abnormality 2. Isolation and notification 3. Replacement and recheck basis				
6. Closure and handover	1. Delayed fire 2. Gas release after shift 3. Defective gear reused	1. Watch ends informally 2. Supply status omitted 3. Quarantine label absent	1. Verify watch completion 2. Record gas shutdown 3. Transfer restricted equipment	1. Exposed-area inspection 2. Watch time and authority 3. Equipment IDs and holds				

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

4. Pre-work checklist

☐ Member and history record	☐ Gas markings and SDS	☐ Combustible survey
☐ Retained and cut-piece support	☐ Observed abnormality	☐ Exposed-area inspection
☐ Adjacent-work controls	☐ Hose and clearance check	☐ Equipment IDs and holds