

Crawler Bulldozer Grading - 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 Control edges and people							
HP-2 Enter and trial							
HP-3 Stop and address faults							
HP-4 Park and 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. Ground acceptance	1. Local collapse 2. Service strike 3. Unreviewed edge approach	1. Fill history unknown 2. Drainage changed 3. Setback copied from another site	1. Review actual support conditions 2. Reassess rain and settlement 3. Set site-specific working limits	1. Fill void and drainage evidence 2. Machine load and blade work 3. Edge and service boundaries				
2. Movement coordination	1. Reversing runover 2. Spotter crush 3. Soil impact below	1. People share travel route 2. Signals inconsistent 3. Lower work not coordinated	1. Separate walking and machine paths 2. Agree signal loss stop rule 3. Control affected lower area	1. Route and sight-line plan 2. Signal owner and safe position 3. Exclusion and trade coordination				
3. Machine readiness	1. Loss of control 2. Unrestrained rollover 3. Hydraulic failure	1. Brake fault deferred 2. Protection altered 3. Track or hose defect ignored	1. Hold control defects 2. Preserve intended ROPS and belt 3. Inspect machine and attachments	1. Brake steering and warnings 2. Protection and restraint 3. Tracks blade and hydraulics				
4. Changed ground	1. Worsening settlement 2. Blade reaction instability 3. Unexpected service exposure	1. Track impressions dismissed 2. Extra force applied 3. New obstruction not reviewed	1. Stop affected movement 2. Review support and pushing method 3. Isolate exposed services	1. Crack and settlement locations 2. Weather drainage and support 3. Revised limits and trial evidence				
5. Maintenance or recovery	1. Blade crush 2. Recoil injury 3. Further sinking	1. Raised part unblocked 2. Pulling begins without plan 3. Towing points assumed rated	1. Control gravity and stored energy 2. Require separate recovery review 3. Keep people clear of recoil	1. Isolation and mechanical support 2. Recovery points and equipment 3. Ground and exclusion plan				
6. Work-area transfer	1. Unsafe parking 2. Open defect forgotten 3. Next crew enters weak area	1. Ground status omitted 2. Equipment hold unmarked 3. Boundary not handed over	1. Verify parking support 2. Tag machine restrictions 3. Transfer ground and access limits	1. Attachment and parking state 2. Equipment fault disposition 3. Cracks utilities and receiving owner				

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

4. Pre-work checklist

☐ Fill void and drainage evidence	☐ Route and sight-line plan	☐ Brake steering and warnings
☐ Crack and settlement locations	☐ Isolation and mechanical support	☐ Attachment and parking state
☐ Edge and service boundaries	☐ Revised limits and trial evidence	☐ Cracks utilities and receiving owner