ZWCNC

Hydraulic Shearing Machine Daily Inspection Checklist

A shift-start, controlled test, operating observation, and close-out record for guillotine and swing-beam shears.

1. Equipment and project identification

Company / department	_____	**Machine model**	_____
Serial number	_____	**Controller**	_____
Material / thickness	_____	**Shift**	_____
Inspector	_____	**Inspection date**	_____

Evidence boundary: This checklist is a blank inspection and recording aid. It is not a certificate, commissioning report, or proof that a machine passed. Acceptance limits must come from the signed contract, approved drawings, serial-number-specific manual, applicable standards, and local safety rules.

2. Safety and documentation prerequisites

Status	Required check	Evidence / reference
[ ] PASS [ ] HOLD	Operator is trained and authorised; machine capacity, blade-clearance method, and local lockout procedure are available.	_____
[ ] PASS [ ] HOLD	Guards, hold-down protection, rear danger-zone controls, emergency stops, and warning labels are installed and unobstructed.	_____
[ ] PASS [ ] HOLD	No maintenance person is inside the danger zone; tools, scrap, and loose material are removed before power-on.	_____
[ ] PASS [ ] HOLD	Material type and thickness are within the machine nameplate and tooling limits; required blade clearance is established by the approved method.	_____
[ ] PASS [ ] HOLD	Any hydraulic leak, electrical damage, abnormal noise, damaged blade, or failed safeguard places the machine on HOLD.	_____

3. Inspection record

Mark PASS only when the observation and referenced acceptance criterion agree. Use HOLD for missing evidence, unsafe conditions, or unresolved deviations.

Status	Before power-on	Observation / instrument / result
[ ] PASS [ ] HOLD [ ] N/A	Inspect frame, table, blade zone, guards, covers, hold-downs, backgauge, supports, foot control, cables, hoses, and floor condition.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Check hydraulic-oil level, visible leakage, lubrication points, fasteners, blade condition, and clearance-setting mechanism.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Confirm material, thickness, cut length, blade-clearance reference, backgauge target, and safe handling plan.	_____ _____

Status	Controlled start and function test	Observation / instrument / result
[ ] PASS [ ] HOLD [ ] N/A	Start at controlled conditions; observe pump direction, pressure build-up, oil temperature, abnormal noise, vibration, and leakage.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Test emergency stops, foot control, guards/interlocks, hold-down action, single-cycle operation, backgauge movement, and return behaviour.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Make a controlled sample cut and inspect burr, squareness, straightness, surface damage, cut dimension, and material support.	_____ _____

Status	During operation and shift close	Observation / instrument / result
[ ] PASS [ ] HOLD [ ] N/A	Keep hands and body outside blade, hold-down, backgauge, and falling-sheet zones; use approved material supports and handling aids.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Record changes in noise, temperature, leakage, cut quality, backgauge position, blade clearance, and alarm state.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	At shift end, isolate as required, remove scrap safely, clean accessible areas, record defects, and transfer unresolved issues to the next responsible person.	_____ _____

4. Controlled test and evidence log

Test	Acceptance criterion / contract reference	Measured result	Status
Emergency-stop test	_____	_____	[ ] PASS [ ] HOLD
Guard / interlock test	_____	_____	[ ] PASS [ ] HOLD
Hold-down function	_____	_____	[ ] PASS [ ] HOLD
Backgauge reference and position	_____	_____	[ ] PASS [ ] HOLD
Single-cycle cut	_____	_____	[ ] PASS [ ] HOLD
Cut dimension	_____	_____	[ ] PASS [ ] HOLD
Squareness / straightness	_____	_____	[ ] PASS [ ] HOLD
Burr and edge condition	_____	_____	[ ] PASS [ ] HOLD

5. Punch list and close-out

No.	Deviation / evidence	Owner	Target date	Closed by / date
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____
6	_____	_____	_____	_____

Supplier representative	Name / signature: _____ Date: _____
Customer representative	Name / signature: _____ Date: _____
Final disposition	[ ] Accepted [ ] Conditionally accepted [ ] Held for corrective action

Reference documents to attach

Machine-specific operation manual; Capacity/nameplate record; Blade-clearance procedure; Lockout procedure; Daily maintenance log; Defect report and corrective action