



Hydraulic System Leakage Check Checklist

Pre-Inspection & Safety

Initial checks and safety precautions before beginning the leak check.

Inspection Date

Inspection Start Time

Weather Conditions

- ☐ Clear
- ☐ Cloudy
- ☐ Rain
- ☐ Snow
- ☐ Foggy

PPE Used (Select All That Apply)

- ☐ Safety Glasses
- ☐ Gloves
- ☐ Hearing Protection
- ☐ Steel-Toe Boots

Brief Description of Equipment Being Inspected

Write something...

Equipment Status Before Inspection

- ☐ Operational
- ☐ Not Operational

Visual Inspection - Reservoir & Fill Points

Inspect the hydraulic reservoir, fill points, and surrounding areas for leaks and damage.

Reservoir Condition Notes

Write something...

Reservoir Leakage?

- ☐ None
- ☐ Minor Drip
- ☐ Moderate Leak
- ☐ Severe Leak

Fill Point Condition

- ☐ Good
- ☐ Cracked
- ☐ Leaking
- ☐ Damaged

Reservoir Fluid Level (inches)

Enter a number...

Filler Cap Condition Notes

Write something...

Fluid Type Correct?

- ☐ Yes
- ☐ No
- ☐ Unknown

Visual Inspection - Hydraulic Lines & Fittings

Inspect all hydraulic lines, hoses, and fittings for external leaks, cracks, and wear.

Condition of Hydraulic Lines (General)

- ☐ Excellent - No visible wear
- ☐ Good - Minor wear, no leaks
- ☐ Fair - Moderate wear, possible minor leaks
- ☐ Poor - Significant wear, evident leaks

Condition of Fittings (Overall)

- ☐ Secure and Tight
- ☐ Slightly Loose
- ☐ Loose - Requires Adjustment
- ☐ Leaking - Requires Replacement

Affected Line Types (if leaks present)

- ☐ High-Pressure Lines
- ☐ Low-Pressure Lines
- ☐ Return Lines
- ☐ Suction Lines
- ☐ None - No Leaks Observed

Specific Location of Leaks (if present)

Write something...


Leak Severity (if present)

- ☐ Drip
- ☐ Stream
- ☐ Spray

Estimated Leak Rate (drops/minute, if possible)

Enter a number...

Photo of Affected Lines/Fittings (if leaks present)

 Upload File

Visual Inspection - Cylinders & Motors

Thoroughly inspect all hydraulic cylinders and motors for leakage.

Describe any visible signs of leakage from Cylinder 1 (e.g., drips, puddles, residue).

Write something...

Cylinder 1 Leak Severity (if present)

- ☐ None
- ☐ Minor
- ☐ Moderate
- ☐ Severe

Describe any visible signs of leakage from Cylinder 2 (e.g., drips, puddles, residue).

Write something...

Cylinder 2 Leak Severity (if present)

- ☐ None
- ☐ Minor
- ☐ Moderate
- ☐ Severe

Describe any visible signs of leakage from Motor 1 (e.g., drips, puddles, residue).

Write something...

Motor 1 Leak Severity (if present)

- ☐ None
- ☐ Minor
- ☐ Moderate
- ☐ Severe

Describe any visible signs of leakage from Motor 2 (e.g., drips, puddles, residue).

Write something...

Motor 2 Leak Severity (if present)

- ☐ None
- ☐ Minor
- ☐ Moderate
- ☐ Severe

Pressure Test (Optional)

Perform a pressure test to pinpoint leaks if visual inspection is inconclusive. Requires appropriate equipment and training.

Test Pressure (PSI)

Enter a number...

Hold Time (Seconds)

Enter a number...

Pressure Drop (PSI)

Enter a number...

Description of Test Setup

Write something...

Observations During Pressure Test

Write something...

Test Result

- ☐ Pass
- ☐ Fail
- ☐ Inconclusive

Post-Inspection & Documentation

Record findings, identify necessary repairs, and document the inspection process.

Overall System Condition Notes

Write something...

Leakage Rate (Drops/Minute) - Overall

Enter a number...

Leak Locations (Select all that apply)

- ☐ Reservoir
- ☐ Hydraulic Lines
- ☐ Cylinders
- ☐ Motors
- ☐ Fittings
- ☐ Other (Specify in notes)

Detailed Description of Found Leaks

Write something...

Estimated Repair Time (Hours)

Enter a number...

Date of Inspection


Enter date...

Time of Inspection

Inspection Result

- ☐ No Leaks Found
- ☐ Minor Leaks (No Immediate Action Required)
- ☐ Moderate Leaks (Repair Recommended)
- ☐ Severe Leaks (Immediate Repair Required)

Photos of Leaks (Optional)

 Upload File

Inspector Name

Write something...