## Visible or Fluorescent Liquid Penetrant Testing

1. **Clean part**
   - Use an NDT approved cleaner like SKC-S

2. **Apply penetrant**
   - Dwell for 10-30 minutes
   - **Visible Fluorescent**
     - SKC-S: Non-halogenated Solvent Cleaner
     - SKL-WP2: Water Washable Visible Dye Penetrant
     - SKL-SP2: Post-emulsifiable Visible Dye Penetrant
     - SKD-S2: Solvent based Developer
     - ZL-60D: Water Washable Penetrant, Level 2
     - ZL-27A: Post-Emulsifiable Penetrant, Level 3
     - ZL-37: Post-Emulsifiable Penetrant, Level 4
     - ZP-9F: Solvent Based Developer

3. **Remove excess penetrant**
   - Apply cleaner on cloth and then wipe the part
   - **Visible Fluorescent**
     - SKC-S: Non-destructive Testing Material
     - SKL-SP2: Visible Penetrant
     - ZL-27A: Post-Emulsifiable Penetrant

4. **Apply developer**
   - Dwell for 10-60 minutes
   - **Visible Fluorescent**
     - SKD-S2: Developer
     - ZP-9F: Developer

5. **Inspect**
   - Use a UV lamp for fluorescent inspections
   - **Visible Fluorescent**
     - Visible Magnetic Particle Testing

## Visible Magnetic Particle Testing

1. **Clean part**
   - Use an NDT approved cleaner like SKC-S

2. **Apply contrast paint**
   - Create a bright, matte surface with WCP-2

3. **Position and magnetize yoke**
   - Position yoke over test area and apply current

4. **Apply magnetic particles**
   - Switch off current after applying particles

5. **Inspect**
   - Look for discontinuities perpendicular to yoke

## Fluorescent Magnetic Particle Testing

1. **Clean part**
   - Use an NDT approved cleaner like SKC-S

2. **Position and magnetize yoke**
   - Position yoke over test area and apply current

3. **Apply magnetic particles**
   - Switch off current after applying particles

4. **Inspect**
   - Look for discontinuities perpendicular to yoke

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* For use with Type I & II Penetrants

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*See our aerosol research on magnaflux.com/aerosols*