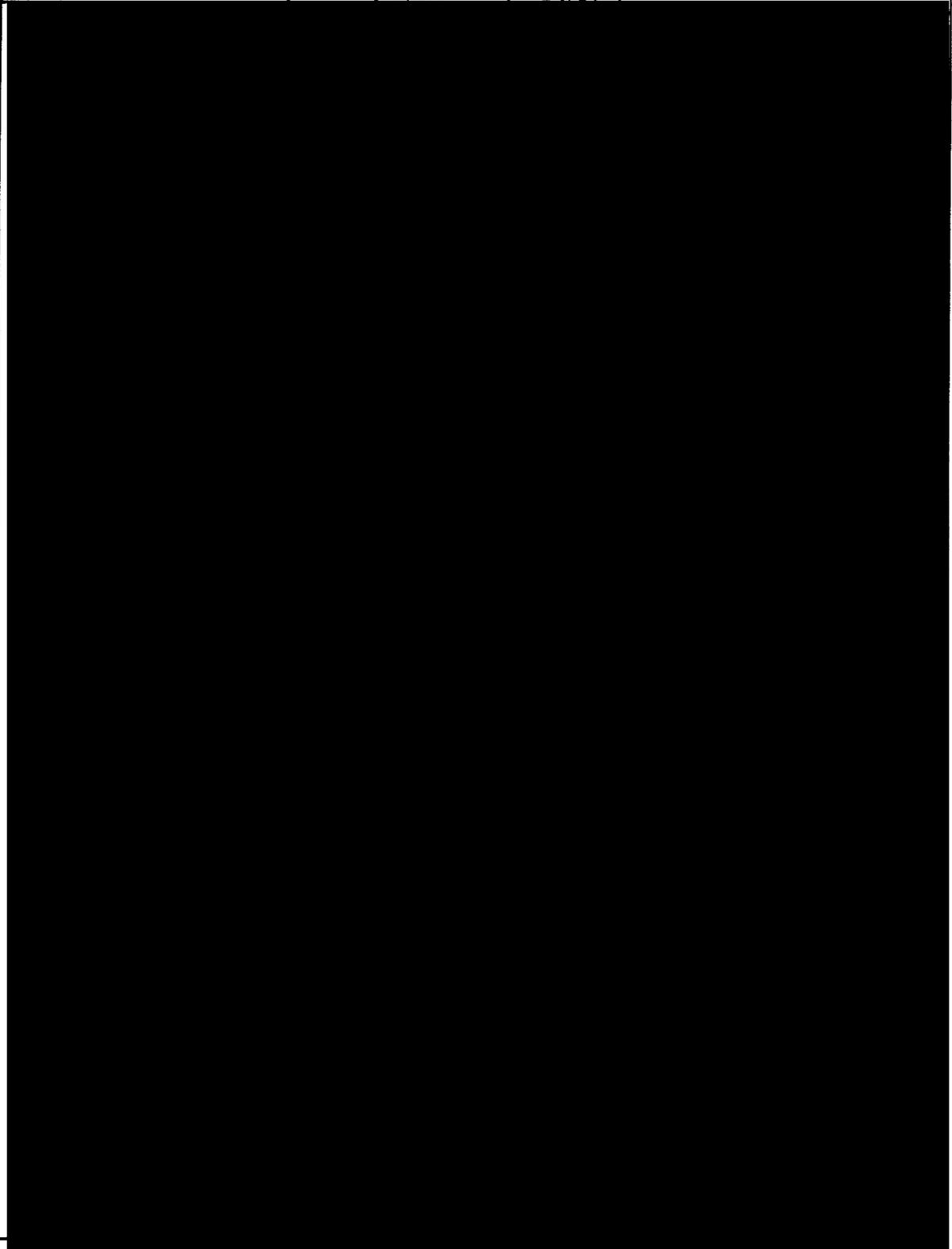


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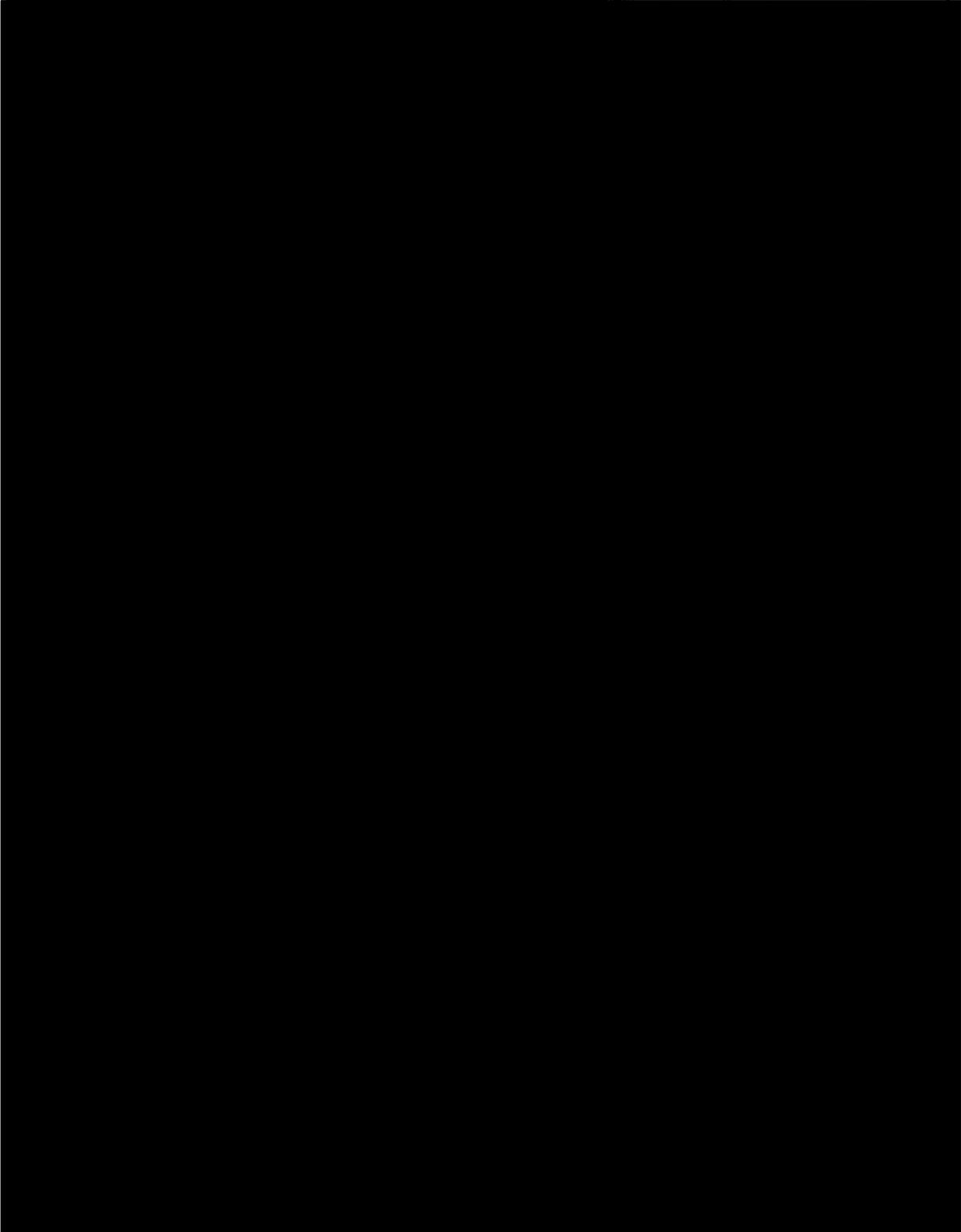


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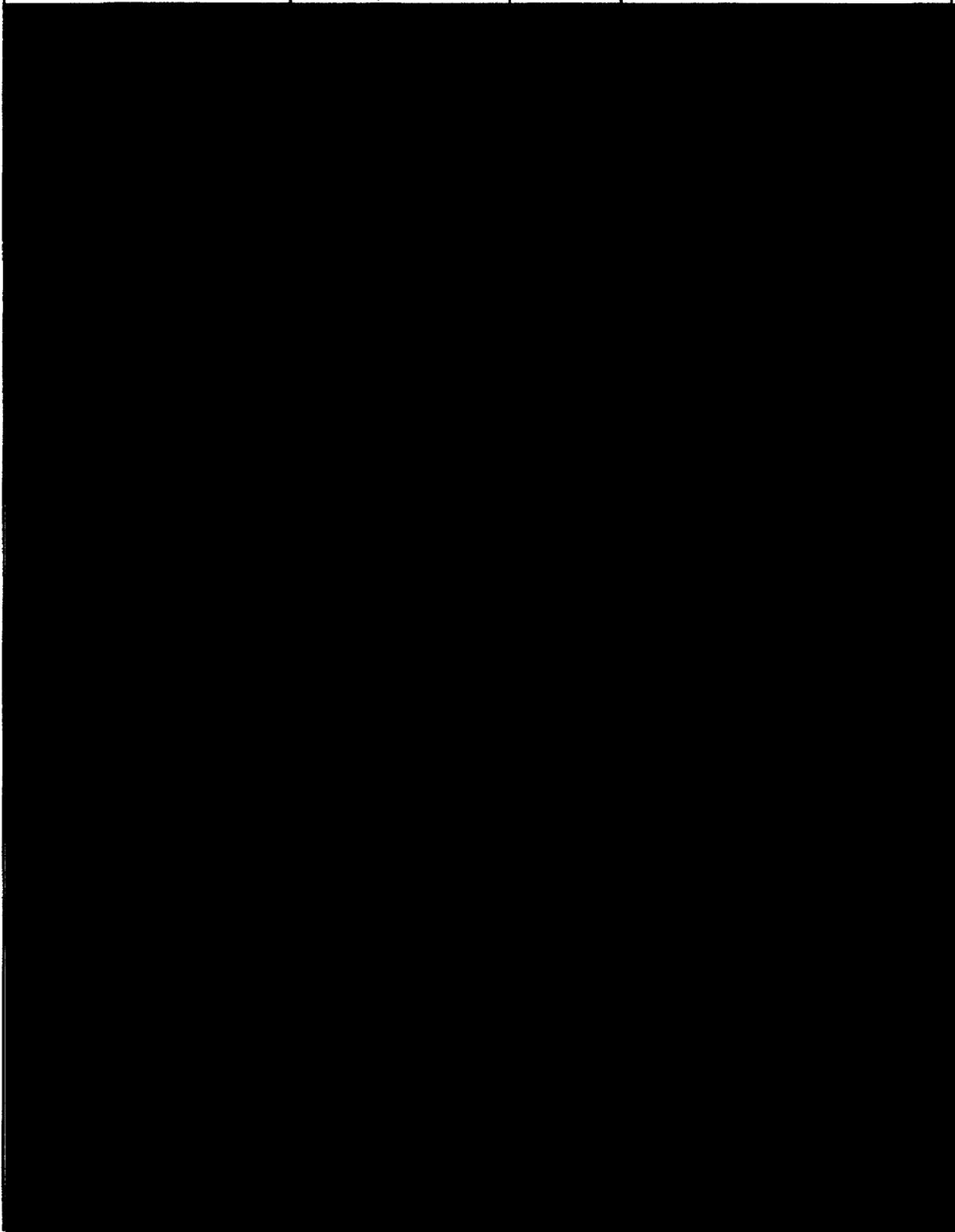
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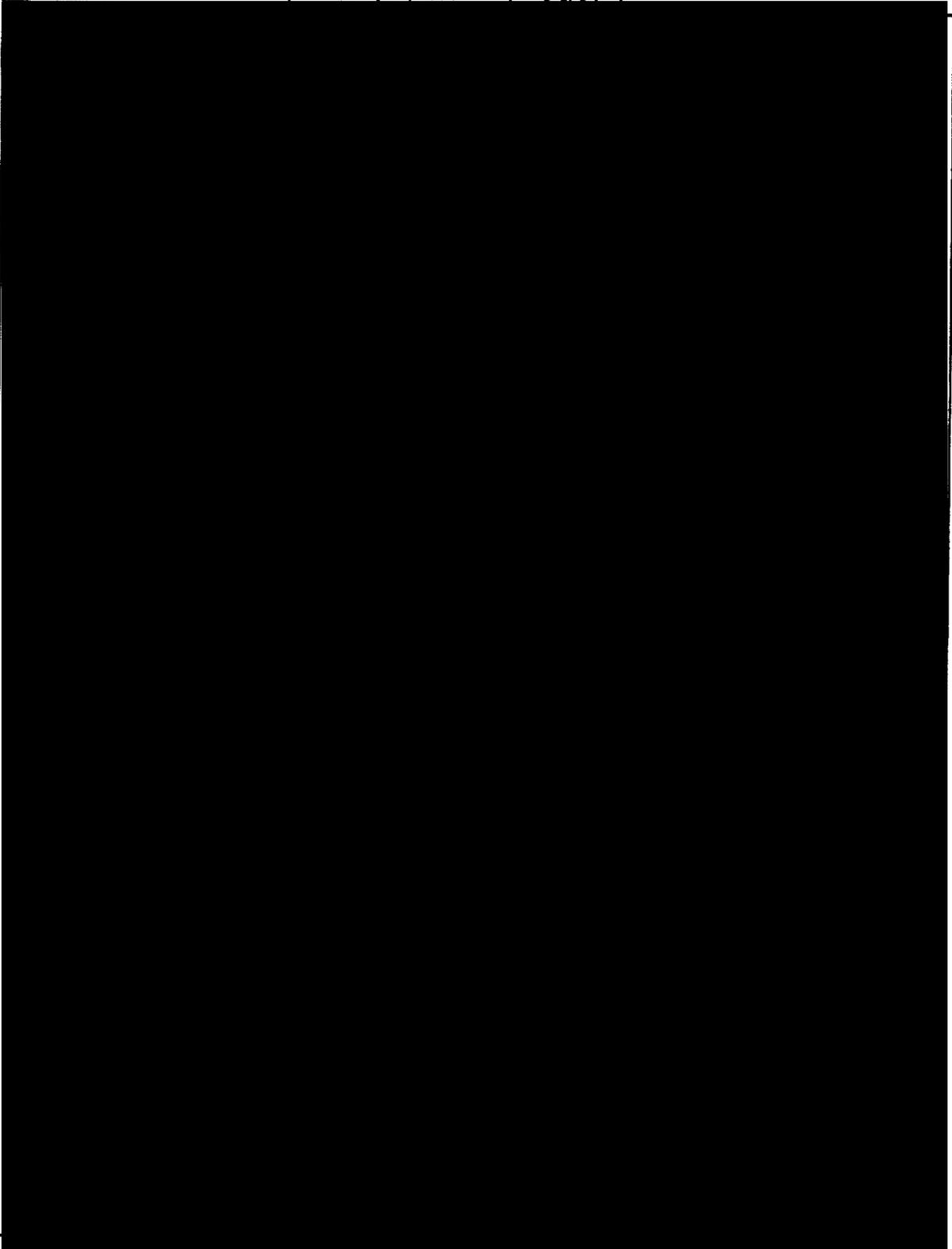


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6 Function Test

6.1. Function Test with One Activated Coil

Connect the power supply to the first coil.

Slowly increase pressure up to individual function test pressure of 3000 psig at the supply port. The solenoid valve has to be switched a minimum of ten times to bleed the valve.

Check proper valve function and visually inspect for leaks or mechanical damage.

Hold valve for 3 minutes in closed position with 3000 psig supply pressure without operating.

Operate the solenoid valve twenty times minimum.
Check proper valve function.

Disconnect the power supply from the first coil and connect it to the second coil.

Operate the solenoid valve twenty times minimum.
Check proper valve function.

Bleed test pressure to 0.

6.2. Function Test with Both Activated Coils

Energize both coils to open position and hold for 10 seconds, and verify that both coils shift position. De-energize both coils.

7. Leak Test

Set up valve to be tested in accordance with the diagram in Appendix 1.

Check that Valves 'A', 'B' and 'C' are closed.

With solenoid de-energized, open Valve 'A' and apply a pressure of 3000 psig to the system, and allow pressure to stabilize for at least 3 minutes.

Collect leakage at vent port for a period of 5 minutes. Allowable leakage is .5 mL during a 5 minute holding period.

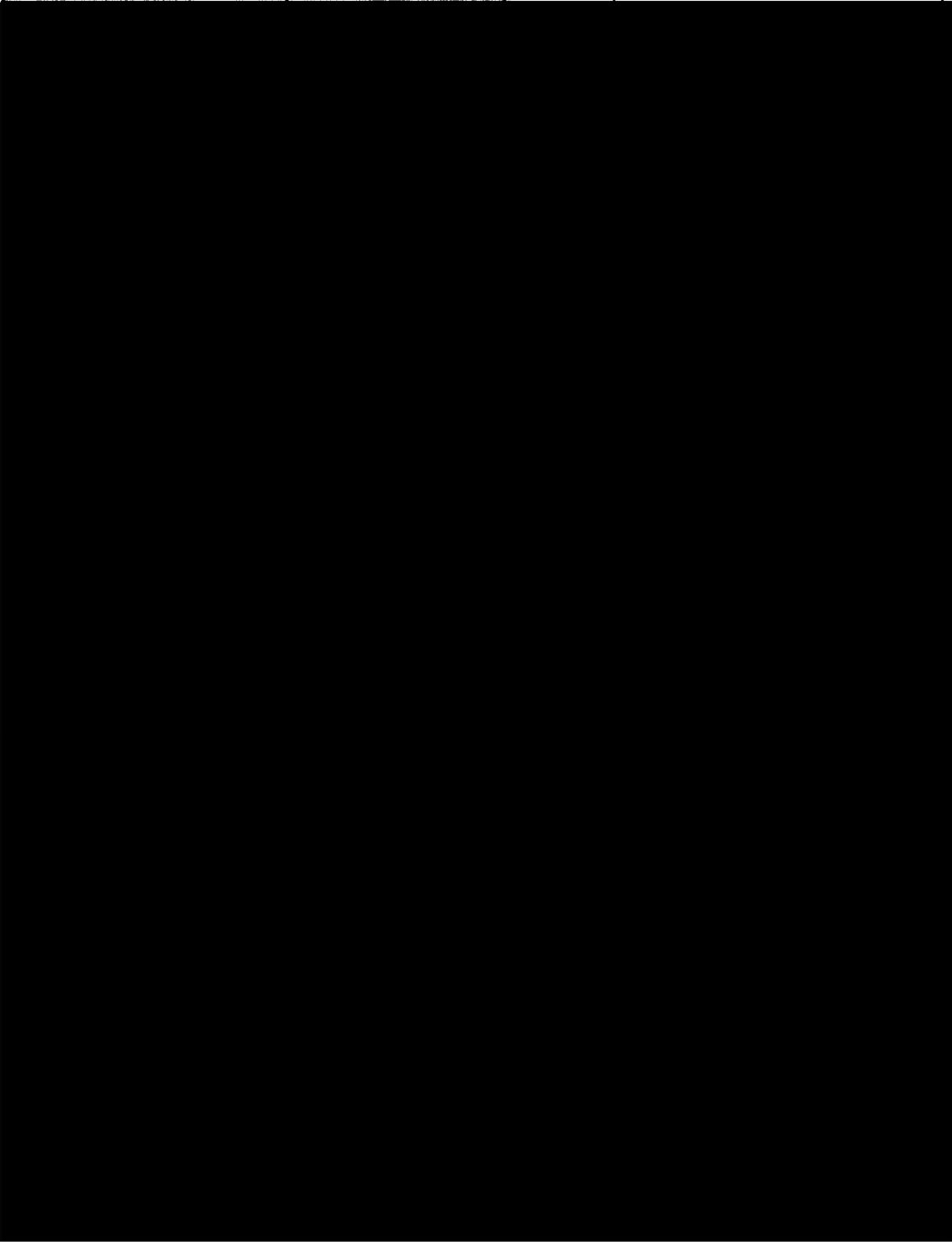
Record results in Appendix 2, page 12.

Energize solenoid while maintaining pressure and allow pressure to stabilize for at least 3 minutes.

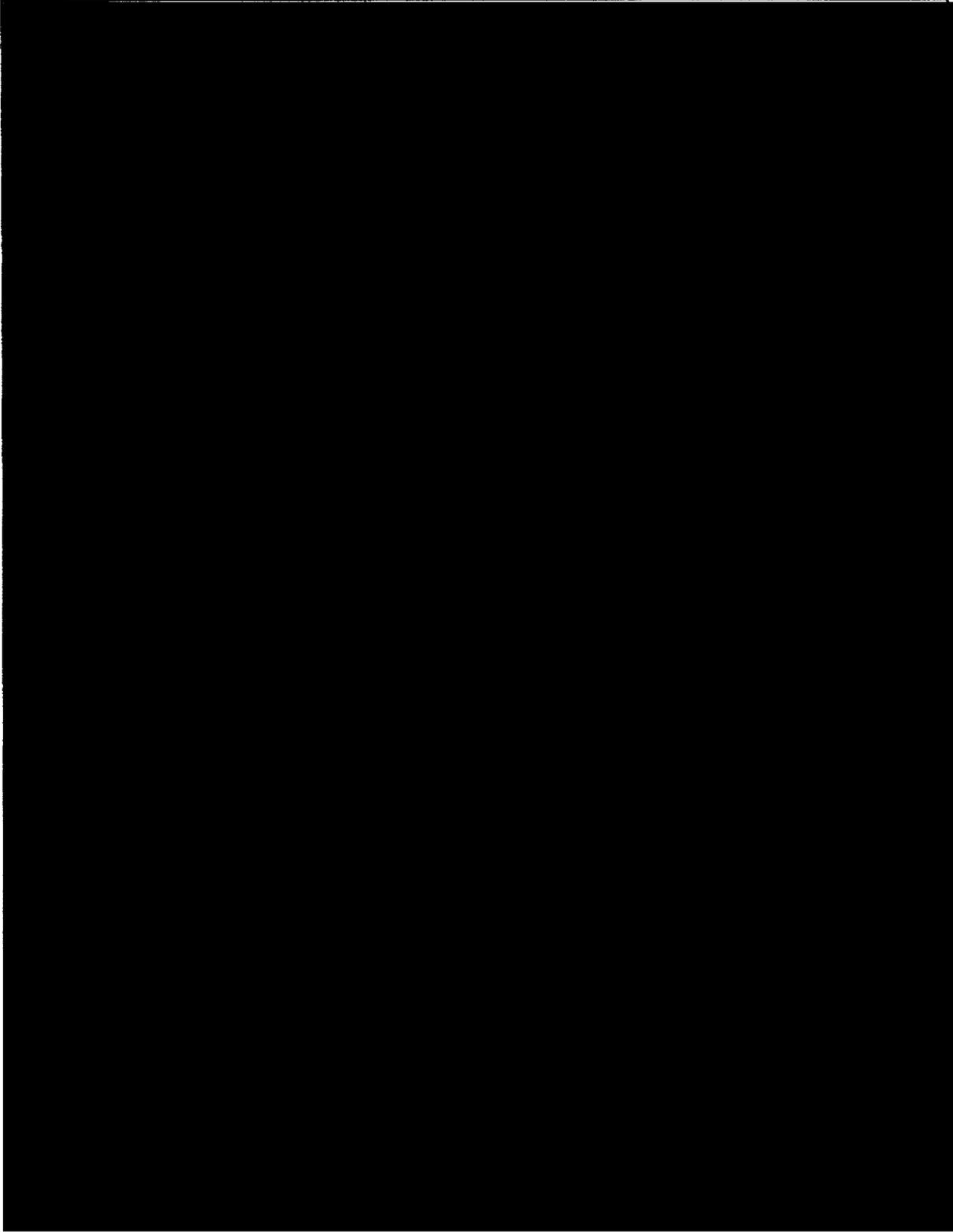
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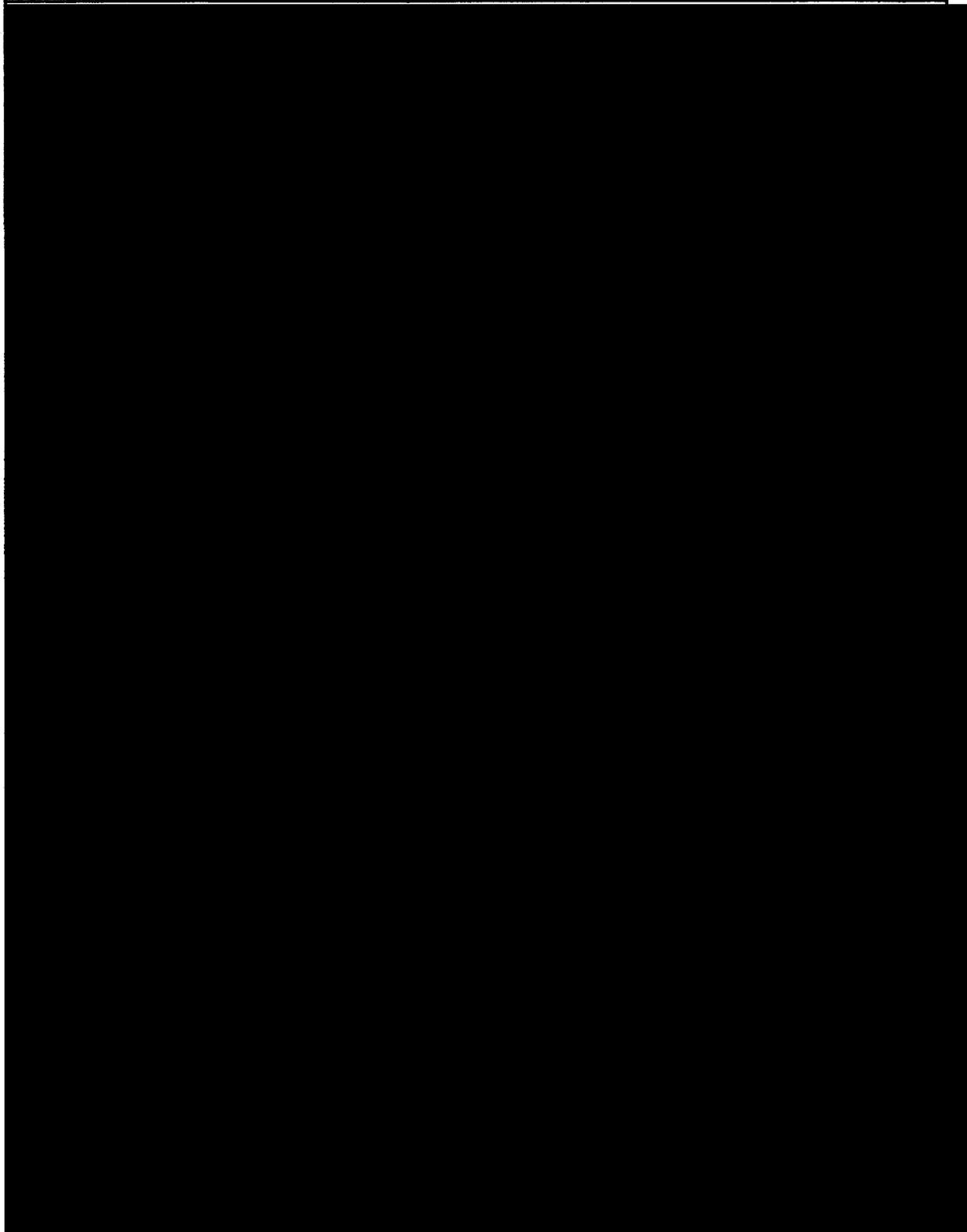


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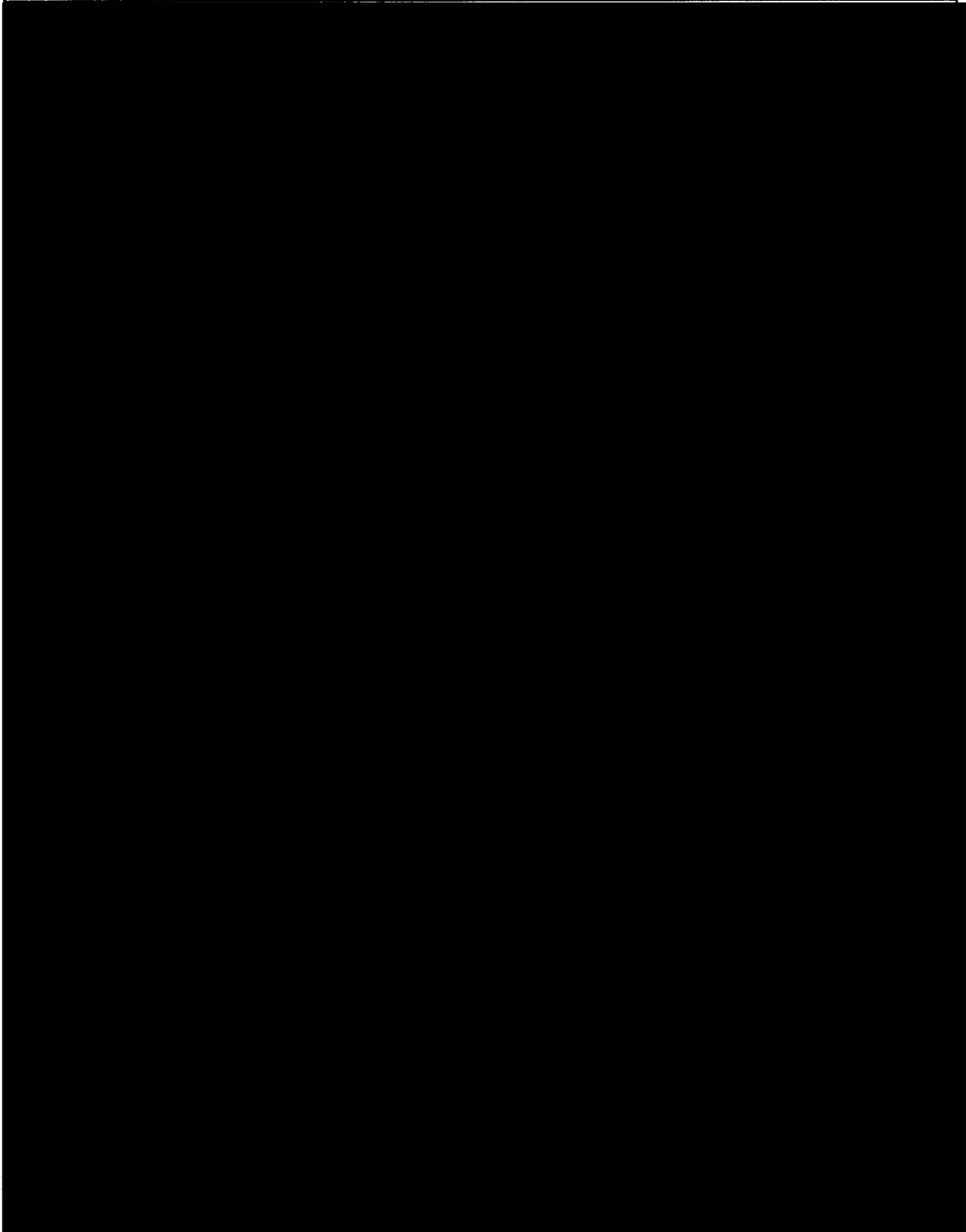
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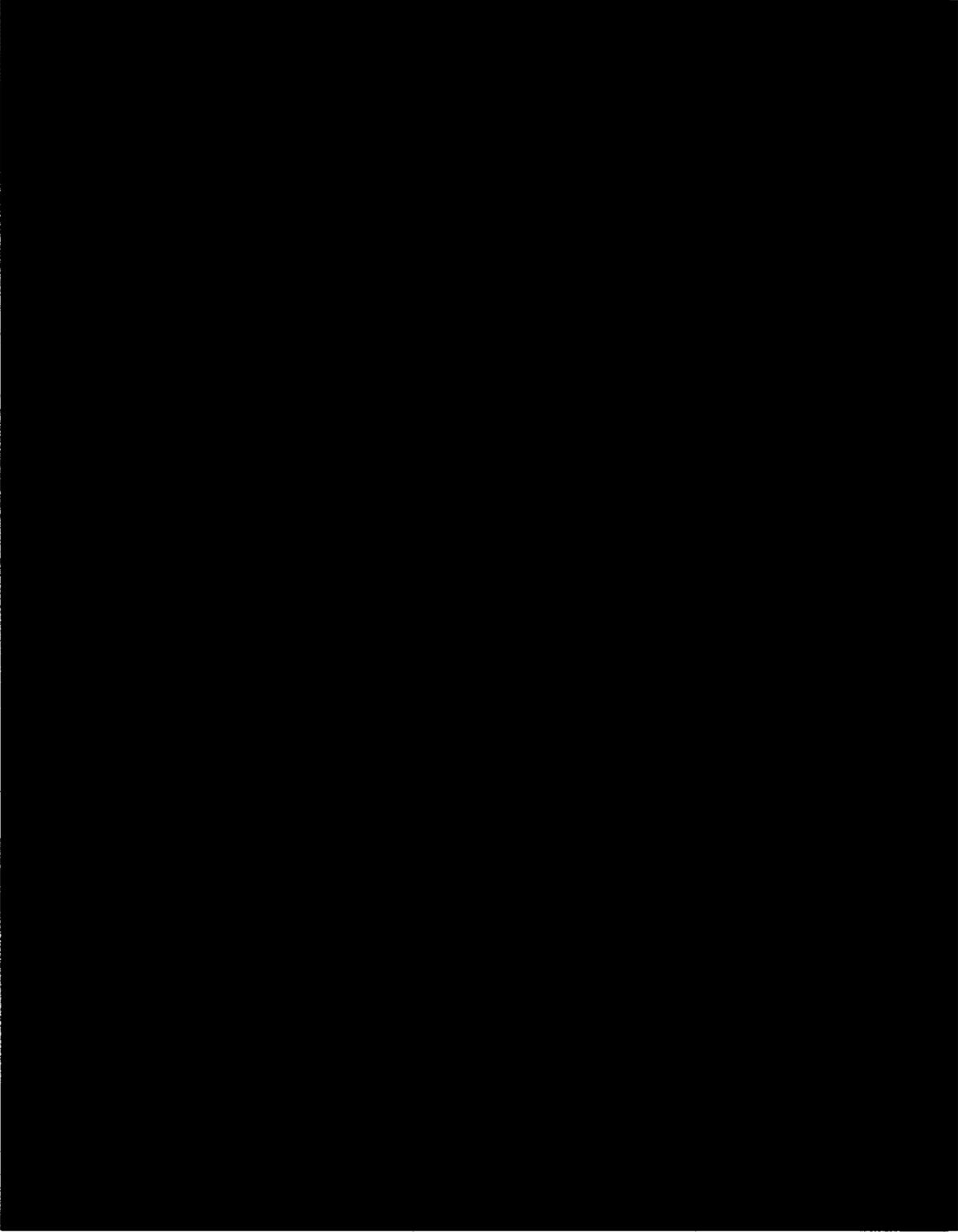


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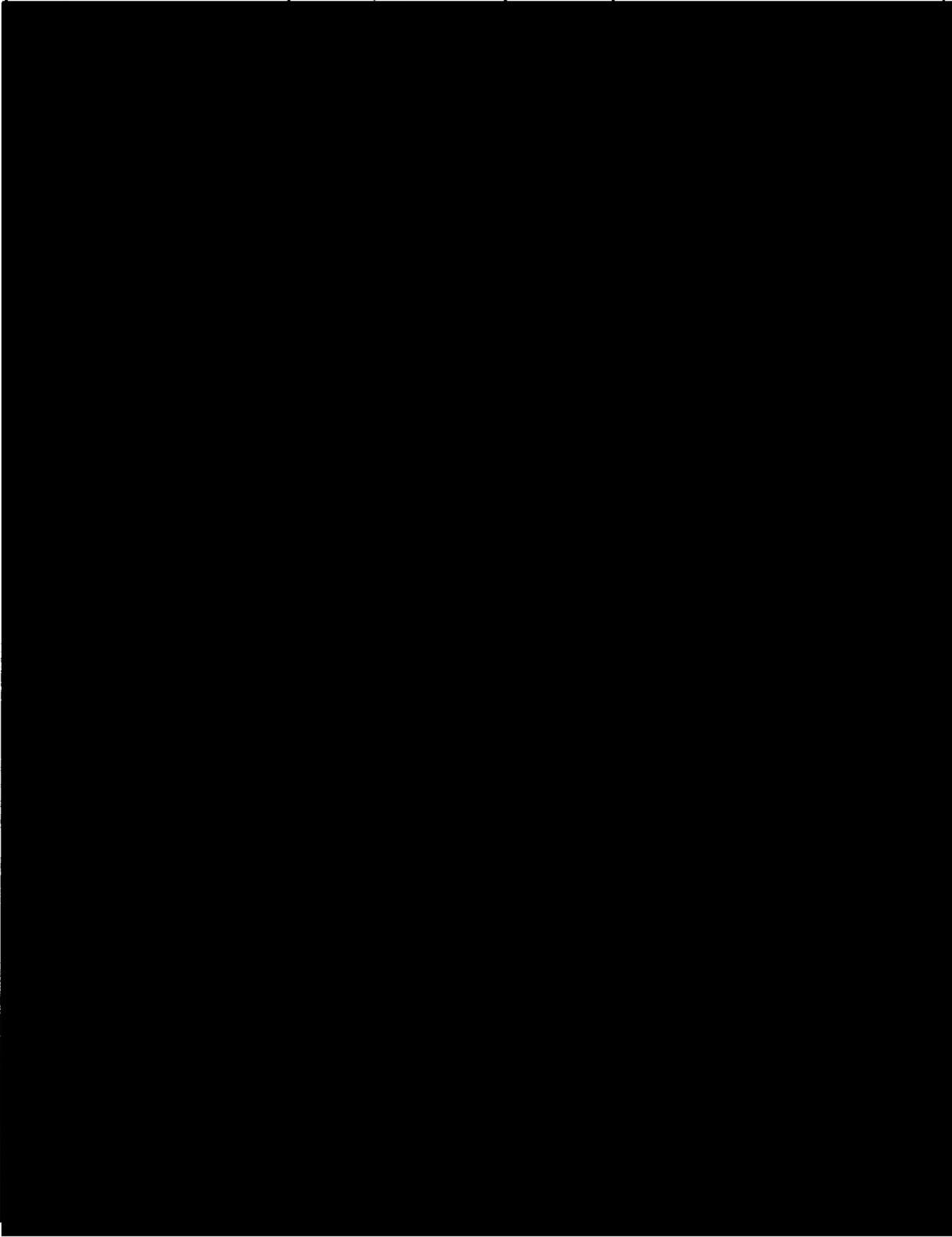


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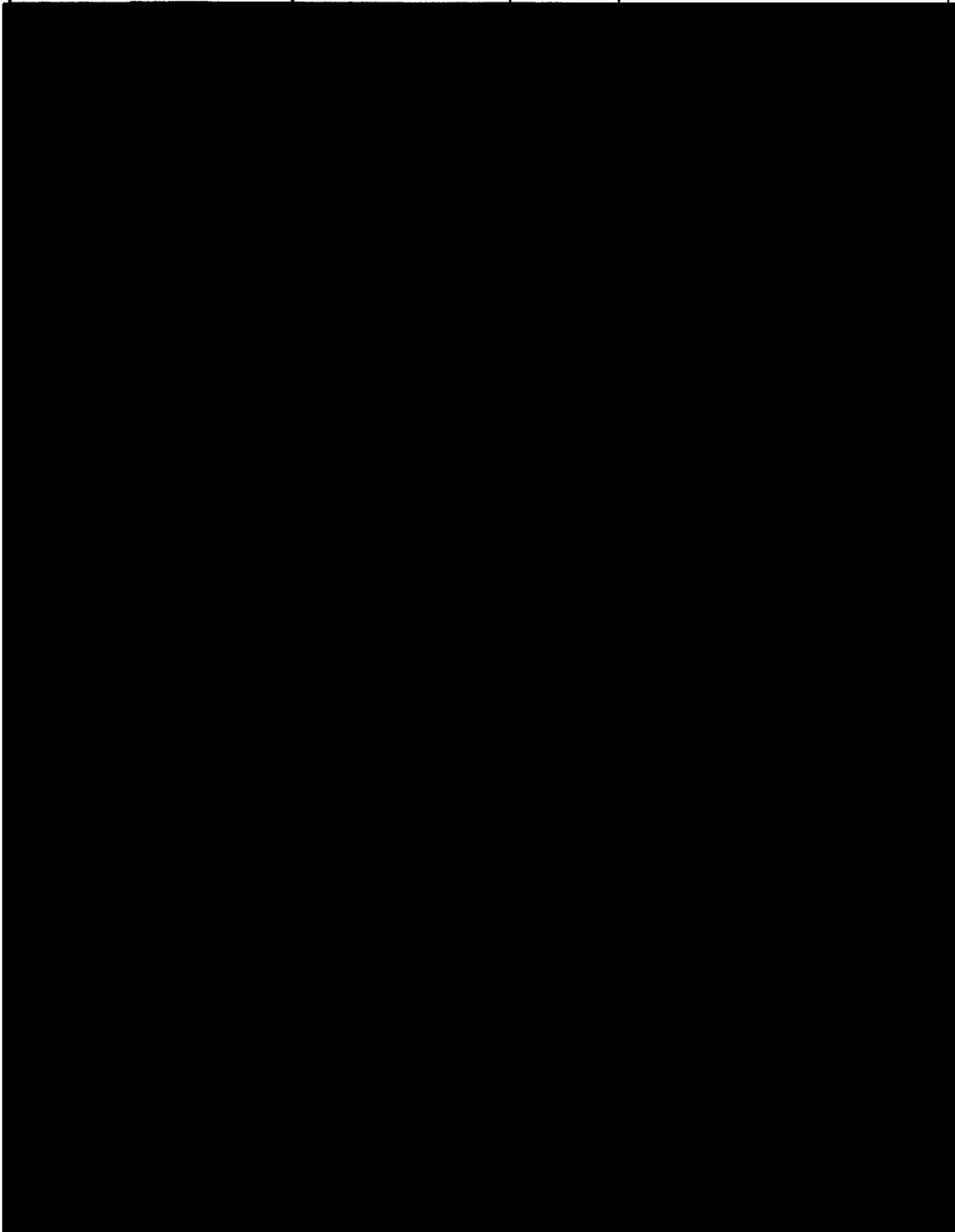


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