

# Hunt cycle - percolator- bounty3- wincondition.

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CUSTOMER	percolator-bounty3-wincondition
WINDOW	cycle 20260507-004922-5059332
CYCLE	20260507-004922-5059332
ENGINE SHA	5059332
WRAPPER SHA	04b854e571
GENERATED	2026-05-08T22:33:22+00:00

0 CRITICAL	0 HIGH	0 MEDIUM	0 LOW	0 INFO
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CONFIRMED · DISCLOSED · FIXED · VERIFIED

5 REJECTED (FALSE POSITIVE)

SIGNED · ED25519

MCowBQYDK2VwAyEAvCFSLBecPuNClci48PwjHu  
eLHlBX9uYZo4wELbQ7b+k=

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```
verify with audit-pipeline sign verify  
<file> <file>.sig --pubkey  
jelleo.ed25519.pub  
public key at  
https://jelleo.com/keys/jelleo.ed25519.pub
```

PLATFORM · V0.1

**JELLEO** · The underwriting layer for Solana  
DeFi.

Methodology [jelleo.com/methodology.html](https://jelleo.com/methodology.html)  
Disclosure [jelleo.com/security.html](https://jelleo.com/security.html)  
Source [github.com/Copenhagen0x/audit-  
pipeline-cli](https://github.com/Copenhagen0x/audit-pipeline-cli)

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Apache-2.0 · contact [security@jelleo.com](mailto:security@jelleo.com)

# percolator-bounty3-wincondition · hunt cycle

20260507-004922-5059332 · started 2026-05-07T00:49:22+00:00 · engine 5059332 · wrapper 04b854e571

## 01 — CYCLE SUMMARY

CRITICAL <b>4</b>	HIGH <b>1</b>	MEDIUM <b>0</b>	CONFIRMED <b>0</b>
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TOTAL VERDICTS <b>5</b>
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■ Critical 4 ■ High 1 ■ Medium 0 ■ Low 0 ■ Info 0

## 02 — FINDINGS

SEVERITY	HYPOTHESIS	TITLE	VERDICT	STATUS	POC
CRITICAL	W1-public-api-reaches-absorb-protocol-loss	The helper absorb_protocol_loss at percolator.rs:4845 debits insurance without correspondingly debiting vault (V1 confir	UNKNOWN / UNKNOWN	REJECTED	—
CRITICAL	W2-resolve-flat-negative-via-touch-public	resolve_flat_negative_with_context at percolator.rs:7123 calls absorb_protocol_loss(loss) when an account has position_b	UNKNOWN / UNKNOWN	REJECTED	—
CRITICAL	W3-resolved-mode-reconciliation-insurance-drain	In Resolved-mode reconciliation, force_close_resolved_with_fee_not_atomic and reconcile_resolved_not_atomic eventually c	UNKNOWN / UNKNOWN	REJECTED	—
CRITICAL	W6-conservation-postcondition-coverage	assert_public_postconditions is called at the end of every public mutating function. Verify whether this postcondition i	UNKNOWN / UNKNOWN	REJECTED	—
HIGH	W5-set-pnl-with-reserve-after-absorb	resolve_flat_negative_with_context at line 7148 calls set_pnl_with_reserve(idx, 0, NoPositiveIncreaseAllowed, None) AFTE	UNKNOWN / UNKNOWN	REJECTED	—

## — A — SEVERITY RUBRIC

TIER	DEFINITION
<b>CRITICAL</b>	Direct loss of user funds or full protocol takeover with no meaningful preconditions. Reachable from a permissionless instruction by any signer. Must be patched immediately.
<b>HIGH</b>	Significant loss of user funds or protocol invariant violation under realistic preconditions (specific market state, signer with limited but obtainable role). Patch should ship in next release.
<b>MEDIUM</b>	Hardening issue, partial loss possible, or invariant violation requiring privileged signer or improbable state. Worth fixing in normal cadence.
<b>LOW</b>	Minor issue with no plausible path to fund loss. Code-quality or defense-in-depth concern.
<b>INFO</b>	Informational. No security impact. Documentation or style suggestion.

## — B — METHODOLOGY

This cycle was produced by Jelleo's continuous, hypothesis-driven Solana audit loop. Every finding originates as a falsifiable invariant claim from a per-protocol hypothesis library, dispatched to multi-agent recon (Layer 1), promoted on contested verdicts via adversarial debate (Layer 1.5), and confirmed empirically via a **cargo test** proof-of-concept (Layer 2) before transitioning to **confirmed**. Confirmed findings auto-fire structural sibling derivation and cross-protocol propagation hooks, then move through a restricted lifecycle (**new** → **triaged** → **confirmed** → **disclosed** → **fixed** → **verified**). Every cycle is signed Ed25519 against the platform key — see the cover-page receipt.

Full spec: [docs/methodology/](#) (eleven sections, §01–§10) · Live reference: [jelleo.com/methodology.html](https://jelleo.com/methodology.html) · Inaugural disclosure: [aeyakovenko/percolator-prog#39](#) (F7, 2026-04)