AlphaPing

AlphaPing — Stress Proof Appendix (Q4 2025)

Version: 1.0

Status: Internal / Allocator Due Diligence

Applies to: AlphaPing CORE vaults

Stress Window: 1–8 November 2025

Network: Ethereum Mainnet

Last updated: 14 January 2026

Stress Proof Appendix

This appendix provides verifiable, on-chain evidence of liquidity flows, utilization dynamics, and vault-level accounting behavior observed in AlphaPing CORE vaults during a documented market stress period in Q4 2025.

All figures are derived from raw ERC-20 transfer data and reflect actual executed transactions, not modeled, normalized, or performance-adjusted values.

1. Scope & Methodology

Scope

- Period analyzed: 1–8 November 2025 (UTC)
- Network: Ethereum Mainnet
- Vaults included:
    - ALPHA USDC Core
    - ALPHA WETH Core

Methodology

- Analysis based exclusively on ERC-20 Transfer events of underlying assets (USDC, WETH)
- Share-token mint and burn activity excluded
- Transfers classified as:
    - Deposits: external address → vault
    - Withdrawals: vault → external address
- USD values reflect:
    - token-denominated values for USDC
    - transfer-level USD normalization where available for WETH
- No off-chain data, internal accounting estimates, or discretionary adjustments applied

All results are independently reproducible via public Ethereum block explorers.

2. On-Chain Parameters Analyzed

Vault Addresses

Vault	Address
USDC Core Vault	0xb0f05E4De970A1aaf77f8C2F823953a367504BA9
WETH Core Vault	0x47fe8Ab9eE47DD65c24df52324181790b9F47EfC

Underlying Assets

Asset	Contract
USDC	0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48
WETH	0xC02aaA39b223FE8D0A0E5C4F27eAD9083C756C2

Block Range

Parameter	Value
Start block	23700766
End block	23757981
Network	Ethereum Mainnet

3. Quantitative Flow Summary (Exact Figures)

Underlying Asset Flows

Vault	Gross Withdrawals	Gross Deposits	Net Flow
USDC Core	~USD 167.8M	~USD 167.9M	~+USD 0.1M
WETH Core	~USD 49.7M	~USD 49.7M	~Flat
Total	~USD 217.5M	~USD 217.6M	~Flat

Notes:

- Gross withdrawals represent cumulative outbound transfers over the period
- Net flow reflects inbound minus outbound transfers
- Minor discrepancies reflect rounding and transfer-level normalization

4. TVL vs Flow Clarification

- TVL represents a point-in-time snapshot
- Withdrawals represent cumulative flows over time

During volatile periods:

- vault balances may reset to a lower equilibrium
- capital may continue to enter and exit repeatedly

As a result, gross withdrawals can materially exceed end-period TVL without implying leverage, loss, or accounting impairment.

5. Utilization & Liquidity Behavior

- AlphaPing vaults processed large, sustained withdrawal demand
- Withdrawals were honored continuously
- No on-chain gating or pause mechanisms were observed
- Vault balances stabilized at a lower equilibrium while maintaining active flow throughput

This behavior is consistent with money-market liquidity dynamics under stress.

6. Accounting & Loss Treatment

Vault Accounting Framework

- AlphaPing vaults operate on Morpho Vaults v1.1
- Vaults aggregate exposure to underlying Morpho v1 markets
- Accounting behavior is protocol-defined and rule-based

Bad-Debt Treatment (Vault Level)

- No vault-level bad debt was realized during the stress window
- Under Morpho Vaults v1.1:
  - losses are not automatically crystallized
  - any underlying market losses (if present) are tracked via {lostAssets}
  - this design prevents forced share-price impairment and flash-loan manipulation

Statements in this appendix refer only to vault-level accounting, not to volatility or losses at the underlying market level.

7. Operator Actions During Stress

During the analyzed period, AlphaPing:

- continued to honor withdrawals per protocol mechanics
- did not introduce discretionary gating
- did not inject liquidity to support utilization
- did not alter accounting outcomes
- operated fully within predefined policy constraints

8. Allocator Takeaways (Factual)

From an allocator perspective:

- withdrawal requests were met
- capital was not trapped
- liquidity remained available after balances stabilized

- vault-level accounting integrity was preserved

No claims of outperformance, guarantees, or future behavior are made.

9. Limitations

This appendix:

- documents a specific Q4 2025 stress window
- does not guarantee future outcomes
- does not assert absence of market-level volatility or losses

It should be reviewed in conjunction with the following documents, all of which are available in the AlphaPing Data Room:

- AlphaPing_Risk_Policy.pdf
- Accounting_&_Loss_Treatment.pdf
- Utilization_&_Cap_Policy.pdf

10. Summary

During the 1–8 November 2025 stress period, AlphaPing CORE vaults processed ~USD 217.5M in gross withdrawals across USDC and WETH while remaining operational and honoring withdrawals per protocol mechanics.

Vault-level accounting remained intact under Morpho Vaults v1.1, with no realized vault-level bad debt during the analyzed period.