



April 5, 2026


Express Audit Report for VulgarTycoon [VIN]

DISCLAIMER: This is an automatically generated audit performed with De.Fi Scanner tool. De.Fi smart contract auditing tool is intended to assist in identifying potential vulnerabilities or malicious functions in smart contracts. While this is done to our best effort and knowledge, please notice that no tool can guarantee complete accuracy or comprehensiveness in detecting all possible vulnerabilities.



Project Summary

Project Name	VulgarTycoon(VulgarTycoon)
Address	0x85e43bf8faaf04ceddcd03d6c07438b72606a988
Network	56

Issue ID	183
Severity	 Optimization
Status	High
Description Code	address private LPDifidendAddr = 0x50b320820aFb41abcD5bbff33a5406863156024E; //Routing prohibited changes
Location	VulgarTycoon.LPDifidendAddr (VulgarTycoon.sol#241) should be constant


Issue ID	183
Severity	🔴 Optimization
Status	High
Description Code	address private pancakeRouterAddr = 0x10ED43C718714eb63d5aA57B78B54704E256024E;// Routing prohibited changes
Location	VulgarTycoon.pancakeRouterAddr (VulgarTycoon.sol#221) should be constant

Issue ID	184
Severity	🎯 Optimization
Status	High
Description Code	<pre>function name() public view returns (string memory) { return _name; }</pre>
Location	name() should be declared external: - VulgarTycoon.name() (VulgarTycoon.sol#265-267)

Issue ID	184
Severity	🟠 Optimization
Status	High
Description Code	<pre>function symbol() public view returns (string memory) { return _symbol; }</pre>
Location	symbol() should be declared external: - VulgarTycoon.symbol() (VulgarTycoon.sol#268-270)

Issue ID	184
Severity	🟠 Optimization
Status	High
Description Code	<pre>function decimals() public view returns (uint8) { return _decimals; }</pre>
Location	decimals() should be declared external: - VulgarTycoon.decimals() (VulgarTycoon.sol#271-273)

Issue ID	184
Severity	🎯 Optimization
Status	High
Description Code	<pre>function totalSupply() public view override returns (uint) { return _totalSupply; }</pre>
Location	totalSupply() should be declared external: - VulgarTycoon.totalSupply() (VulgarTycoon.sol#274-276)

Issue ID	184
Severity	 Optimization
Status	High
Description Code	<pre>function balanceOf(address account) public view override returns (uint) { return _balances[account]; }</pre>
Location	balanceOf(address) should be declared external: - VulgarTycoon.balanceOf(address) (VulgarTycoon.sol#277-279)

Issue ID	184
Severity	🟠 Optimization
Status	High
Description Code	<pre>function transfer(address recipient, uint amount) public override returns (bool) { _transfer(msg.sender, recipient, amount); return true; }</pre>
Location	<p>transfer(address,uint256) should be declared external: - VulgarTycoon.transfer(address,uint256) (VulgarTycoon.sol#280-283)</p>

Issue ID	184
Severity	🔴 Optimization
Status	High
Description Code	<pre>function allowance(address towner, address spender) public view override returns (uint) { return _allowances[towner][spender]; }</pre>
Location	allowance(address,address) should be declared external: - VulgarTycoon.allowance(address,address) (VulgarTycoon.sol#284-286)


Issue ID	184
Severity	🟡 Optimization
Status	High
Description Code	<pre>function approve(address spender, uint amount) public override returns (bool) { _approve(msg.sender, spender, amount); return true; }</pre>
Location	approve(address,uint256) should be declared external: - VulgarTycoon.approve(address,uint256) (VulgarTycoon.sol#287-290)


Issue ID	184
Severity	🟡 Optimization
Status	High
Description Code	<pre>function transferFrom(address sender, address recipient, uint amount) public override returns (bool) { _transfer(sender, recipient, amount); uint256 currentAllowance = _allowances[sender][msg.sender]; require(currentAllowance >= amount, "ERC20: transfer amount exceeds allowance"); _approve(sender, msg.sender, currentAllowance.sub(amount, "BEP20: transfer amount exceeds allowance")); return true; }</pre>
Location	<p>transferFrom(address,address,uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.transferFrom(address,address,uint256) (VulgarTycoon.sol#297-303)

Issue ID	184
Severity	🎯 Optimization
Status	High
Description Code	<pre>function setBuyFeeToBurn(uint256 value) public onlyOwner { buyFeeToburn = value; }</pre>
Location	<p>setBuyFeeToBurn(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setBuyFeeToBurn(uint256) (VulgarTycoon.sol#387-389)

Issue ID	184
Severity	🎯 Optimization
Status	High
Description Code	<pre>function setSellFeeToBurn(uint256 value) public onlyOwner { sellFeeToBurn = value; }</pre>
Location	<p>setSellFeeToBurn(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setSellFeeToBurn(uint256) <p>(VulgarTycoon.sol#399-401)</p>

Issue ID	184
Severity	🟠 Optimization
Status	High
Description Code	<pre>function setAmountToStopBurn(uint256 value) public onlyOwner { amountToStopBurn = value; }</pre>
Location	<p>setAmountToStopBurn(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setAmountToStopBurn(uint256) <p>(VulgarTycoon.sol#411-413)</p>

Issue ID	184
Severity	 Optimization
Status	High
Description Code	<pre>function setAmountTodifidend(uint256 value) public onlyOwner { amountTodifidend = value; }</pre>
Location	<p>setAmountTodifidend(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setAmountTodifidend(uint256) <p>(VulgarTycoon.sol#414-416)</p>

Issue ID	184
Severity	 Optimization
Status	High
Description Code	<pre>function setAmountToLPDifidend(uint256 value) public onlyOwner { amountToLPDifidend = value; }</pre>
Location	<p>setAmountToLPDifidend(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setAmountToLPDifidend(uint256) <p>(VulgarTycoon.sol#417-419)</p>

Issue ID	184
Severity	🟡 Optimization
Status	High
Description Code	<pre>function exemptFromFee(address account, bool flag) public onlyOwner{ _exemptFee[account] = flag; }</pre>
Location	<p>exemptFromFee(address,bool) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.exemptFromFee(address,bool) <p>(VulgarTycoon.sol#420-422)</p>


Issue ID	184
Severity	🎯 Optimization
Status	High
Description Code	<pre>function setDistributorAddr(address account) public onlyOwner{ distributorAddr = account; }</pre>
Location	setDistributorAddr(address) should be declared external: - VulgarTycoon.setDistributorAddr(address) (VulgarTycoon.sol#423-425)


Issue ID	184
Severity	🟡 Optimization
Status	High
Description Code	<pre>function setBuyFeeToDistributor(uint256 value) public onlyOwner{ buyFeeToDistributor = value; }</pre>
Location	<p>setBuyFeeToDistributor(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setBuyFeeToDistributor(uint256) <p>(VulgarTycoon.sol#426-428)</p>


Issue ID	184
Severity	🟠 Optimization
Status	High
Description Code	<pre>function setSellFeeToDistributor(uint256 value) public onlyOwner{ sellFeeToDistributor = value; }</pre>
Location	<p>setSellFeeToDistributor(uint256) should be declared external:</p> <ul style="list-style-type: none">- VulgarTycoon.setSellFeeToDistributor(uint256)(VulgarTycoon.sol#429-431)




Issue ID	177
Severity	🎯 Informational
Status	High
Description Code	pragma solidity >=0.7.0 <0.9.0;
Location	Pragma version>=0.7.0<0.9.0 (VulgarTycoon.sol#2) is too complex

Issue ID	150
Severity	 High
Status	High
Description Code	receive() external payable {}
Location	Contract locking ether found: Contract VulgarTycoon has payable functions: - VulgarTycoon.receive() (VulgarTycoon.sol#264) But does not have a function to withdraw the ether

Issue ID	167-a
Severity	 Low
Status	Medium
Description Code	function setBuyFeeToBurn(uint256 value) public onlyOwner { buyFeeToburn = value; }
Location	VulgarTycoon.setBuyFeeToBurn(uint256) (VulgarTycoon.sol#387-389) should emit an event for: - buyFeeToburn = value (VulgarTycoon.sol#388)


Issue ID	167-a
Severity	 Low
Status	Medium
Description Code	function setSellFeeToBurn(uint256 value) public onlyOwner { sellFeeToburn = value; }
Location	VulgarTycoon.setSellFeeToBurn(uint256) (VulgarTycoon.sol#399-401) should emit an event for: - sellFeeToburn = value (VulgarTycoon.sol#400)

Issue ID	167-a
Severity	 Low
Status	Medium
Description Code	function setAmountTodifidend(uint256 value) public onlyOwner { amountTodifidend = value; }
Location	VulgarTycoon.setAmountTodifidend(uint256) (VulgarTycoon.sol#414-416) should emit an event for: - amountTodifidend = value (VulgarTycoon.sol#415)


Issue ID	167-a
Severity	 Low
Status	Medium
Description Code	<pre>function setAmountToLPDifidend(uint256 value) public onlyOwner { amountToLPDifidend = value; }</pre>
Location	VulgarTycoon.setAmountToLPDifidend(uint256) (VulgarTycoon.sol#417-419) should emit an event for: - amountToLPDifidend = value (VulgarTycoon.sol#418)

Issue ID	167-a
Severity	🟡 Low
Status	Medium
Description Code	<pre>function setBuyFeeToDistributor(uint256 value) public onlyOwner{ buyFeeToDistributor = value; }</pre>
Location	VulgarTycoon.setBuyFeeToDistributor(uint256) (VulgarTycoon.sol#426-428) should emit an event for: - buyFeeToDistributor = value (VulgarTycoon.sol#427)

Issue ID	167-a
Severity	🟡 Low
Status	Medium
Description Code	function setSellFeeToDistributor(uint256 value) public onlyOwner { sellFeeToDistributor = value; }
Location	VulgarTycoon.setSellFeeToDistributor(uint256) (VulgarTycoon.sol#429-431) should emit an event for: - sellFeeToDistributor = value (VulgarTycoon.sol#430)


Issue ID	168
Severity	 Low
Status	Medium
Description Code	function setDistributorAddr(address account) public onlyOwner{
Location	VulgarTycoon.setDistributorAddr(address).account (VulgarTycoon.sol#423) lacks a zero-check on : - distributorAddr = account (VulgarTycoon.sol#424)


Issue ID	182
Severity	 Informational
Status	Medium
Description Code	<pre>constructor() { _name = "VulgarTycoon"; _symbol = "VIN"; _decimals = 18; _totalSupply = 19999000 * (10**18); _balances[msg.sender] = _totalSupply; tokenHolders.push(msg.sender); _holdersExist[msg.sender] = true; _router = IPancakeRouter02(pancakeRouterAddr); _pairAddress = IPancakeFactory(_router.factory()).createPair(address(this), _router.WETH()); _exemptFee[msg.sender] = true; _exemptFee[address(this)] = true; _exemptFee[LPDifidendAddr] = true; _exemptFee[pancakeRouterAddr] = true; amountToStopBurn = _totalSupply.div(2); amountTodifidend = _totalSupply.div(100000); amountToLPDifidend = _totalSupply.div(100000); emit Transfer(address(0), msg.sender, _totalSupply); }</pre>
Location	VulgarTycoon.constructor() (VulgarTycoon.sol#242-263) uses literals with too many digits: - amountTodifidend = _totalSupply.div(100000) (VulgarTycoon.sol#260)


Issue ID	209
Severity	 Critical
Status	High
Description Code	<pre>function transfer(address recipient, uint amount) public override returns (bool) { _transfer(msg.sender, recipient, amount); return true; }</pre>
Location	<p>Transfer Fee: VulgarTycoon.transfer(address,uint256) (VulgarTycoon.sol#280-283)</p> <ul style="list-style-type: none">- in nested function: _transfer- in expression: amount.mul(feeToBurn).div(100)- in expression: amount.mul(feeToLiquidity).div(100)- in expression: amount.mul(feeToLPDifidend).div(100)- in expression: amount.mul(feeToDistributor).div(100)- in expression: amount.div(100)- in expression: amount.div(100)- in expression: amount



Issue ID	7
Severity	🎯 Data
Status	High
Description Code	
Location	Transfer fee variables

Issue ID	160
Severity	 Informational
Status	Medium
Description Code	uint distributorAmount;
Location	VulgarTycoon.processFee(address,uint256,uint256,uint256,uint256,uint256,uint256).distributorAmount (VulgarTycoon.sol#348) is a local variable never initialized

Issue ID	160
Severity	 Informational
Status	Medium
Description Code	uint distributorAmount;
Location	VulgarTycoon._transfer(address,address,uint256).distributorAmount (VulgarTycoon.sol#324) is a local variable never initialized

Issue ID	237
Severity	 Low
Status	High
Description Code	<pre>function transfer(address recipient, uint amount) public override returns (bool) { _transfer(msg.sender, recipient, amount); return true; }</pre>
Location	<p>whitelisted function: VulgarTycoon.transfer(address,uint256) (VulgarTycoon.sol#280-283) - in internal call: VulgarTycoon._transfer(address,address,uint256) (VulgarTycoon.sol#304-334) - in expression sender == _pairAddress && ! _exemptFee[recipient]</p>

Issue ID	237
Severity	🟡 Low
Status	High
Description Code	<pre>function transferFrom(address sender, address recipient, uint amount) public override returns (bool) { _transfer(sender, recipient, amount); uint256 currentAllowance = _allowances[sender][msg.sender]; require(currentAllowance >= amount, "ERC20: transfer amount exceeds allowance"); _approve(sender, msg.sender, currentAllowance.sub(amount, "BEP20: transfer amount exceeds allowance")); return true; }</pre>
Location	<p>whitelisted function: VulgarTycoon.transferFrom(address,address,uint256) (VulgarTycoon.sol#297-303)</p> <p>- in internal call: VulgarTycoon._transfer(address,address,uint256) (VulgarTycoon.sol#304-334)</p> <p>- in expression sender == _pairAddress && !_exemptFee[recipient]</p>