



Audit Report

TruckCompany

February 2022

Type	BEP20
Network	BSC
Address	0xb31e799d79096f985895abc27e90bAAb0f42BbAc
Audited by	© coinscope

Table of Contents

Table of Contents	1
Contract Review	2
Audit Updates	2
Contract Analysis	3
ST - Stop Transactions	4
Description	4
Recommendation	4
Contract Diagnostics	5
L01 - Public Function could be Declared External	6
Description	6
Recommendation	6
L04 - Conformance to Solidity Naming Conventions	7
Description	7
Recommendation	7
L09 - Dead Code Elimination	8
Description	8
Recommendation	8
Contract Functions	9
Contract Flow	11
Domain Info	12
Summary	13
Disclaimer	14
About Coinscope	15

Contract Review

Contract Name	TruckCompanyToken
Compiler Version	v0.8.11+commit.d7f03943
Optimization	200 runs
Licence	None
Explorer	https://bscscan.com/token/0xb31e799d79096f985895abc27e90bAAb0f42BbAc
Symbol	TRK
Decimals	18
Total Supply	100,000,000
Source	contract.sol
Domain	truckcompany.me

Audit Updates

Initial Audit	24th February 2022
Corrected	

Contract Analysis

● Critical
 ● Medium
 ● Minor
 ● Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

ST - Stop Transactions

Criticality	critical
Location	contract.sol#L697

Description

The contract owner has the authority to stop transactions for all users excluding the owner. The owner may take advantage of it by setting the `antiSandwichSeconds` to a high value. As a result the users that bought or sold once, will not be able to trade again.

```
if (antiSandwich){
    uint secondsPassed = block.timestamp - lastTrade[msg.sender];
    require(secondsPassed >= antiSandwichSeconds, "AntiBot: You cant trade yet.");
}
```

Recommendation

The contract could embody a check for not allowing setting the `antiSandwichSeconds` more than a reasonable amount. A suggested implementation could check that the maximum amount should be more than a fixed percentage of the total supply.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

Contract Diagnostics

● Critical ● Medium ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L04	Conformance to Solidity Naming Conventions
●	L09	Dead Code Elimination

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L82,90,283,291,315,322,334,357,379,402 and 1 more

Description

Public functions that are never called by the contract should be declared external to save gas.

```
decreaseAllowance  
increaseAllowance  
transferFrom  
approve  
transfer  
balanceOf  
totalSupply  
symbol  
name  
...
```

Recommendation

Use the external attribute for functions never called from the contract

L04 - Conformance to Solidity Naming Conventions

Criticality	minor
Location	contract.sol#L633,634,635,636,637,638

Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
setSellTaxValue  
setSellTaxStatus  
setAntiFRGas  
setAntiFRStatus  
setAntiSandwichSeconds  
setAntiSandwichStatus
```

Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

L09 - Dead Code Elimination

Criticality

minor

Location

contract.sol#L23,599,579,501

Description

Functions that are not used in the contract, and make the code's size bigger.

```
_burn  
_beforeTokenTransfer  
_afterTokenTransfer  
_msgData
```

Recommendation

Remove unused functions.

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
ERC20	Implementation	Context, IERC20, IERC20Metadata		
	<Constructor>	Public	✓	-

	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_spendAllowance	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
TruckCompanyToken	Implementation	ERC20, Ownable		
	<Constructor>	Public	✓	ERC20
	toggleAntiSandwich	External	✓	onlyOwner
	setAntiSandwichSecs	External	✓	onlyOwner
	toggleAntiFR	External	✓	onlyOwner
	setAntiFRLimit	External	✓	onlyOwner
	toggleSellTax	External	✓	onlyOwner
	setSellTax	External	✓	onlyOwner
	setWhitelist	External	✓	onlyOwner
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	

Contract Flow



Domain Info

Domain Name	truckcompany.me
Registry Domain ID	D425500000338363054-AGRS
Creation Date	2021-12-05T17:20:19Z
Updated Date	2022-02-17T00:19:12Z
Registry Expiry Date	2022-12-05T17:20:19Z
Registrar WHOIS Server	whois.godaddy.com
Registrar URL	http://www.godaddy.com
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain has been created 3 months before the creation of the audit. It will expire in 9 months.

There is no public billing information, the creator is protected by the privacy settings.

Summary

The Smart Contract analysis reported one issue. The contract Owner has the ability to stop the trades for all the users after their initial trade. The maximum fee percentage that can be set is 20%. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

Coinscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

The Coinscope team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Coinscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token.

The Coinscope team disclaims any liability for the resulting losses.

About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>