



Cyberscope

Audit Report

Turbine Swap

May 2022

Type BEP20

Network BSC

Address 0x147D79a8Fd9ccfb7c78bD655A721C9545BB51A0f

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Contract Review

Contract Name	TBS
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0x147D79a8Fd9ccfb7c78bD655A721C9545BB51A0f
Symbol	TBS
Decimals	18
Total Supply	105,000,000
Domain	turbineswap.com

Source Files

Filename	SHA256
contract.sol	7c4d5b4513560663b314e5184c0910d85108461983da0b736089b6a453590533

Audit Updates

Initial Audit	2nd May 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

Contract Diagnostics

● Critical ● Medium ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L09	Dead Code Elimination

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L199,207,231,238,250,273,295,318,338

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.

L09 - Dead Code Elimination

Criticality

minor

Location

contract.sol#L417

Description

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

```
_burn
```

Recommendation

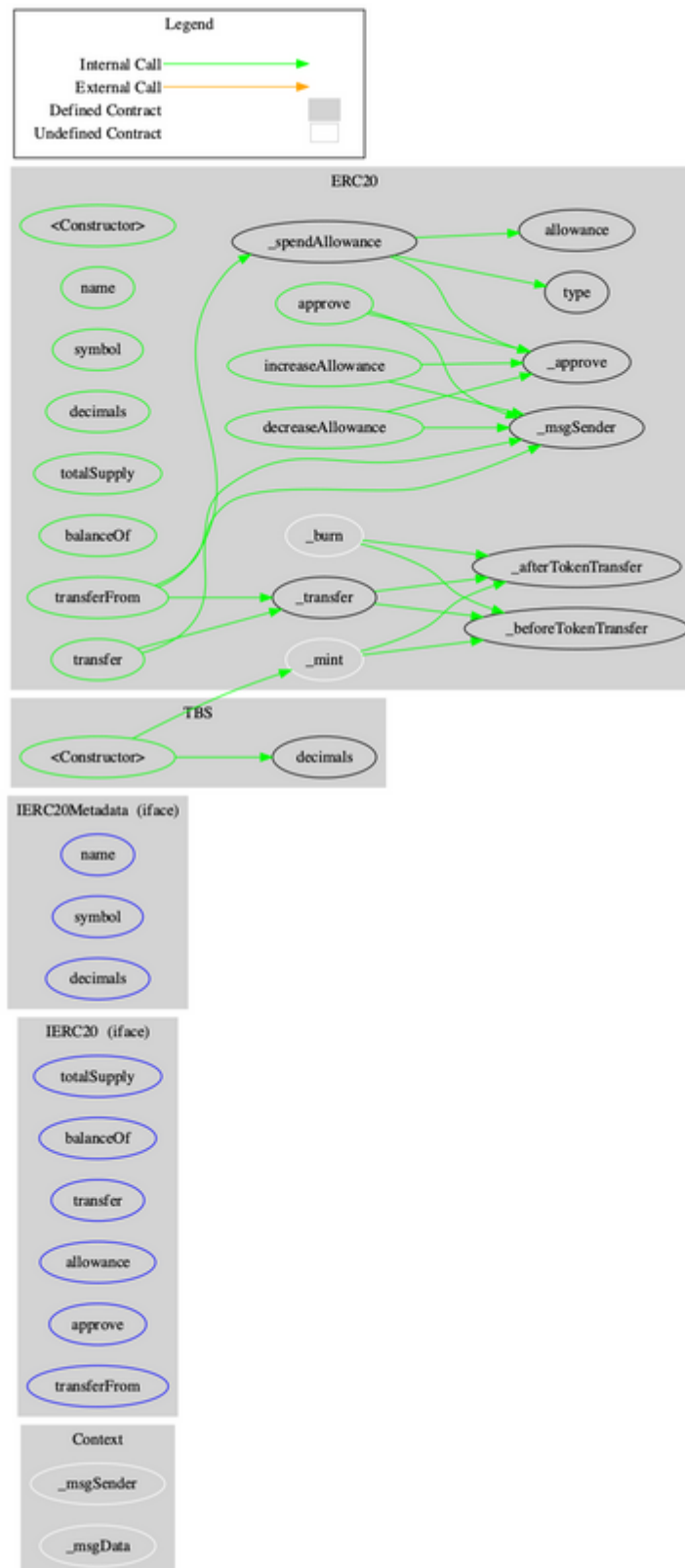
Remove unused functions.

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Context	Implementation			
	_msgSender	Internal		
	_msgData	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	✓	
TBS	Implementation	ERC20		
	<Constructor>	Public	✓	ERC20

Contract Flow



Domain Info

Domain Name	turbineswap.com
Registry Domain ID	2686423792_DOMAIN_COM-VRSN
Creation Date	2022-04-03T05:07:48Z
Updated Date	2022-04-22T05:04:51Z
Registry Expiry Date	2024-04-03T05:07:48Z
Registrar WHOIS Server	Whois.bigrock.com
Registrar URL	www.bigrock.com
Registrar	BigRock Solutions Ltd.
Registrar IANA ID	1495

The domain has been created 29 days before the creation of the audit. It will expire in almost 2 years.

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

Summary

Turbine Swap is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions.

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.

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The Cyberscope 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 Cyberscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

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The Cyberscope team disclaims any liability for the resulting losses.

About Cyberscope

Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

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.

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



The Cyberscope team

<https://www.cyberscope.io>