

# **PROBLEM SUMMARY**

### Sample Rating Trend

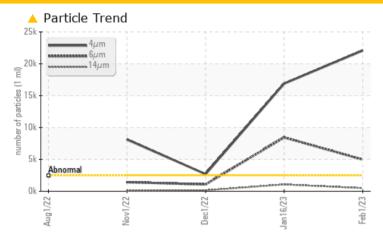


Wachine Id VOLVO
Component

**Transmission (Auto)** 

**CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)** 

# **COMPONENT CONDITION SUMMARY**



### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ABNORMAL	ATTENTION				
Particles >4µm	ASTM D7647	>2500	<u>22071</u>	<u>▲</u> 16893	<u>▲</u> 2686				
Particles >6µm	ASTM D7647	>640	<b>4966</b>	<u>▲</u> 8452	<u></u> 1070				
Particles >14µm	ASTM D7647	>80	<b>^</b> 500	<u>▲</u> 1073	<b>△</b> 148				
Particles >21μm	ASTM D7647	>20	<b>4</b> 75	<u> </u>	<u>\$\times\$</u> 25				
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<b>22/19/16</b>	<u>\</u> 21/20/17	<b>△</b> 19/17/14				

Customer Id: HAWCHANC Sample No.: WC0700558 Lab Number: 05757655 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

### **RECOMMENDED ACTIONS**

Action	Status	Date	Done By	Description

# HISTORICAL DIAGNOSIS

## 16 Jan 2023 Diag: Jonathan Hester

Feb 15 2023

**MISSED** 



Change Filter



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.



We recommend you service the filters on this component.

### 01 Dec 2022 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.



#### 01 Nov 2022 Diag: Doug Bogart

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for target ISO.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.



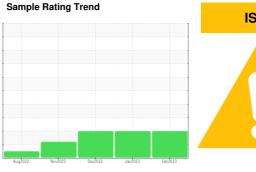


# **OIL ANALYSIS REPORT**

VOLVO Component

**Transmission (Auto)** 

# **CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)**





# **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

# Contamination

There is a high amount of particulates present in the fluid.

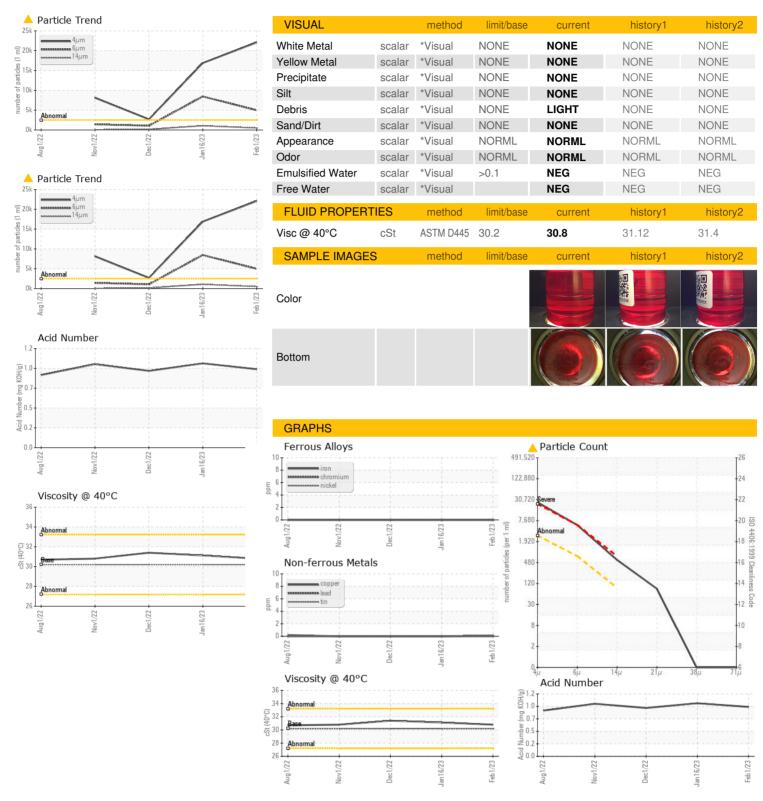
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

F (28 GAL)		Aug2022	Nov2022	Dec2022 Jan2023	Feb 2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700558	WC0700556	WC0700551
Sample Date		Client Info		01 Feb 2023	16 Jan 2023	01 Dec 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>50	0	0	<1
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	110	95	115
Barium	ppm	ASTM D5185m	0	48	39	32
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	10	0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	<1	2
Calcium	ppm	ASTM D5185m	370	89	79	80
Phosphorus	ppm	ASTM D5185m	300	200	215	226
Zinc	ppm	ASTM D5185m	0	10	16	6
Sulfur	ppm	ASTM D5185m	1600	836	664	751
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u>22071</u>	<u> </u>	<u>^</u> 2686
Particles >6μm		ASTM D7647	>640	<b>4966</b>	<u>▲</u> 8452	<u> </u>
Particles >14µm		ASTM D7647	>80	<u>^</u> 500	<u>▲</u> 1073	<u> </u>
Particles >21µm		ASTM D7647	>20	<u>^</u> 75	<u>▲</u> 122	<u>^</u> 25
Particles >38μm		ASTM D7647	>4	0	4	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>22/19/16</u>	<u>\$\text{\Delta}\$ 21/20/17</u>	<u> </u>
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.95	1.02	0.93



# OIL ANALYSIS REPORT







Certificate L2367

Laboratory

Sample No. Lab Number

**Unique Number** Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Feb 2023 : WC0700558 Received Diagnosed : 04 Feb 2023 : 05757655

: 10322262 Diagnostician

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: Don Baldridge

**HAWE HYDRAULICS - HUNTERSVILLE** 

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