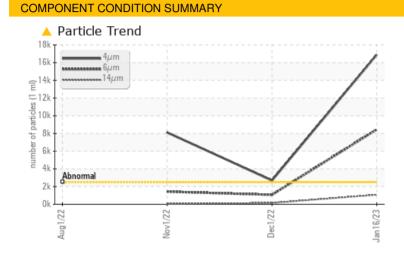


Machine Id VOLVO Component Transmission (Auto)

# CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)



#### RECOMMENDATION

Fluic

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

PROBLEMATIC TEST RESULTS						
Sample Status			ABNORMAL	ATTENTION	ABNORMAL	
Particles >4µm	ASTM D7647	>2500	<u> </u>	<u> </u>	<b>A</b> 8119	
Particles >6µm	ASTM D7647	>640	<u> </u>	<b>1</b> 070	🔺 1426	
Particles >14µm	ASTM D7647	>80	<u> </u>	<b>1</b> 48	59	
Particles >21µm	ASTM D7647	>20	<u> </u>	🔺 25	6	
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<u> </u>	🔺 19/17/14	<b>A</b> 20/18/13	

Customer Id: HAWCHANC Sample No.: WC0700556 Lab Number: 05741410 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Description
Change Filter	MISSED	Feb 04 2023	?	We recommend you service the filters on this component.

#### **HISTORICAL DIAGNOSIS**



### 01 Dec 2022 Diag: Doug Bogart

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.

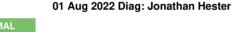


view report

#### 01 Nov 2022 Diag: Doug Bogart



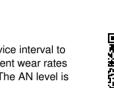
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for target ISO.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size)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



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

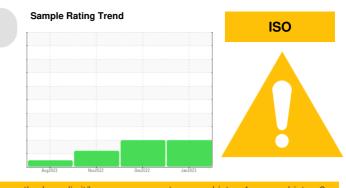








## **OIL ANALYSIS REPORT**



Machine Id 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.

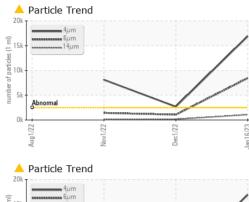
#### Fluid Condition

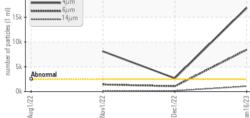
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

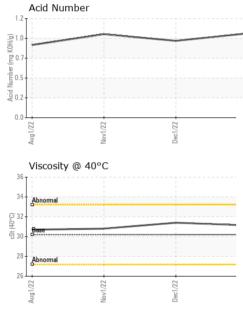
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700556	WC0700551	WC0700546
Sample Date		Client Info		16 Jan 2023	01 Dec 2022	01 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
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	<1	<1
Lead	ppm	ASTM D5185m	>50	0	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	95	115	111
Barium	ppm	ASTM D5185m	0	39	32	42
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	10	0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	2	0
Calcium	ppm	ASTM D5185m	370	79	80	82
Phosphorus	ppm	ASTM D5185m	300	215	226	207
Zinc	ppm	ASTM D5185m	0	16	6	0
Sulfur	ppm	ASTM D5185m	1600	664	751	1145
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u> </u>	<b>A</b> 2686	<b>A</b> 8119
Particles >6µm		ASTM D7647	>640	<u> </u>	<u> </u>	<b>1</b> 426
Particles >14µm		ASTM D7647	>80	<u> </u>	<b>1</b> 48	59
Particles >21µm		ASTM D7647	>20	<u> </u>	<u> </u>	6
Particles >38µm		ASTM D7647	>4	4	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>A</b> 21/20/17	▲ 19/17/14	▲ 20/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.02	0.93	1.01



## **OIL ANALYSIS REPORT**

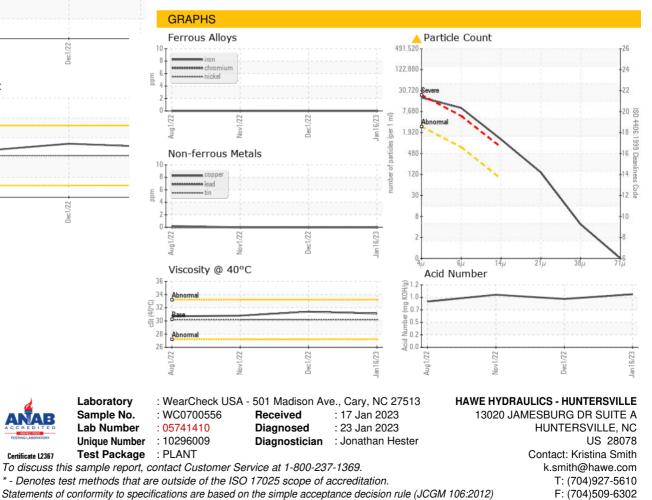






			11 11 11			
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D445	limit/base 30.2	current 31.12	history1 31.4	history2 30.8
	cSt				,	· · · ·
Visc @ 40°C	cSt	ASTM D445	30.2	31.12	31.4	30.8





Contact/Location: Kristina Smith - HAWCHANC