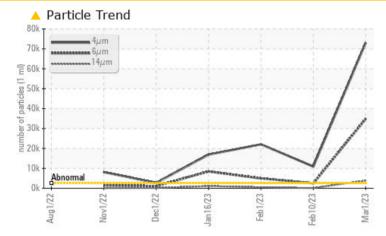


Machine Id VOLVO Component Transmission (Auto) Fluid CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)

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	ABNORMAL		
Particles >4µm	ASTM D7647	>2500	<u> </u>	<u> </u>	<u> </u>		
Particles >6µm	ASTM D7647	>640	A 34924	<u> </u>	4966		
Particles >14µm	ASTM D7647	>80	<u> </u>	69	▲ 500		
Particles >21µm	ASTM D7647	>20	A 361	5	1 75		
Oil Cleanliness	ISO 4406 (c)	>18/16/13	<u> </u>	1 /18/13	2 2/19/16		

Customer Id: HAWCHANC Sample No.: WC0700568 Lab Number: 05781214 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 ACTIONS						
Action	Status Date Done By		Done By	Description		
Change Filter	MISSED	Apr 06 2023	?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS



10 Feb 2023 Diag: Don Baldridge

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 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.



view report

01 Feb 2023 Diag: Don Baldridge



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.

16 Jan 2023 Diag: Jonathan Hester

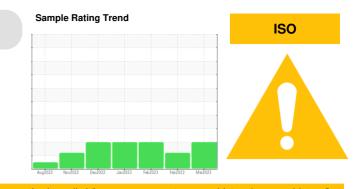
We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.







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.

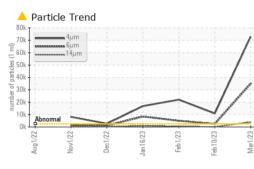
Fluid Condition

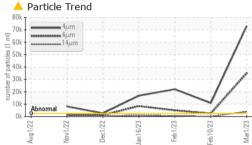
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

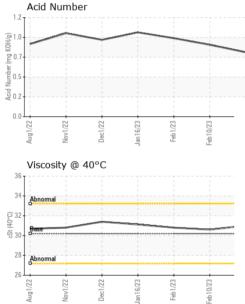
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700568	WC0700567	WC0700558
Sample Date		Client Info		01 Mar 2023	10 Feb 2023	01 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	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	<1	0	0
Lead	ppm	ASTM D5185m	>50	0	0	<1
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	102	103	110
Barium	ppm	ASTM D5185m	0	36	30	48
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	10	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	370	68	77	89
Phosphorus	ppm	ASTM D5185m	300	176	187	200
Zinc	ppm	ASTM D5185m	0	5	2	10
Sulfur	ppm	ASTM D5185m	1600	842	951	836
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	0	1	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	A 73051	10886	22071
Particles >6µm		ASTM D7647	>640	<u> </u>	4 2477	4 966
Particles >14µm		ASTM D7647	>80	A 3919	69	▲ 500
Particles >21µm		ASTM D7647	>20	<u> </u>	5	1 75
Particles >38µm		ASTM D7647	>4	3	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	A 23/22/19	1 21/18/13	▲ 22/19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT

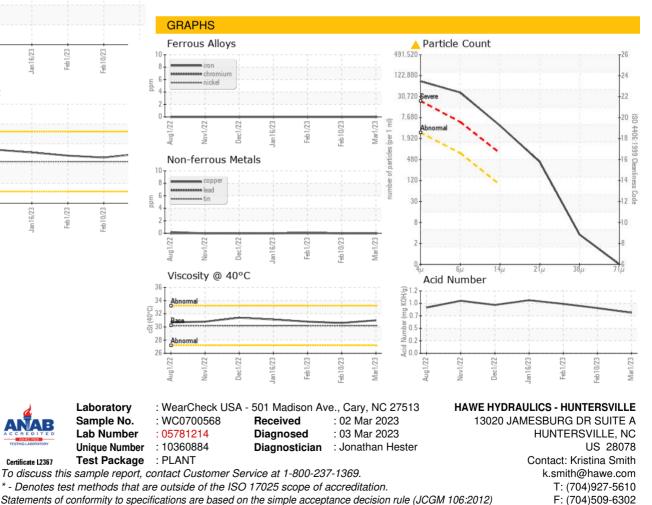






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Sand/Dirt	scalar	*Visual	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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	30.2	31.0	30.6	30.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						

Bottom



Certificate L2367

Contact/Location: Kristina Smith - HAWCHANC