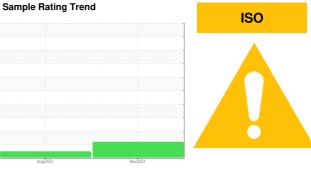


PROBLEM SUMMARY

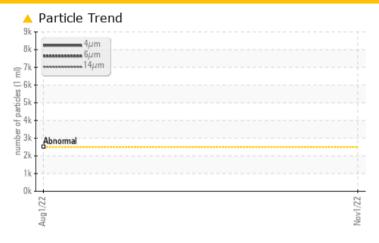


VOLVO Component

Transmission (Auto)

CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	NORMAL			
Particles >4µm	ASTM D7647	>2500	<u>A</u> 8119				
Particles >6µm	ASTM D7647	>640	1426				
Oil Cleanliness	ISO 4406 (c)	>18/16/13	20/18/13				

Customer Id: HAWCHANC Sample No.: WC0700546 Lab Number: 05682715 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@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	Description
Change Filter	MISSED	Dec 06 2022	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

01 Aug 2022 Diag: Jonathan Hester

NORMAL



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





VOLVO
Component

Transmission (Auto)

CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)

DIAGNOSIS

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

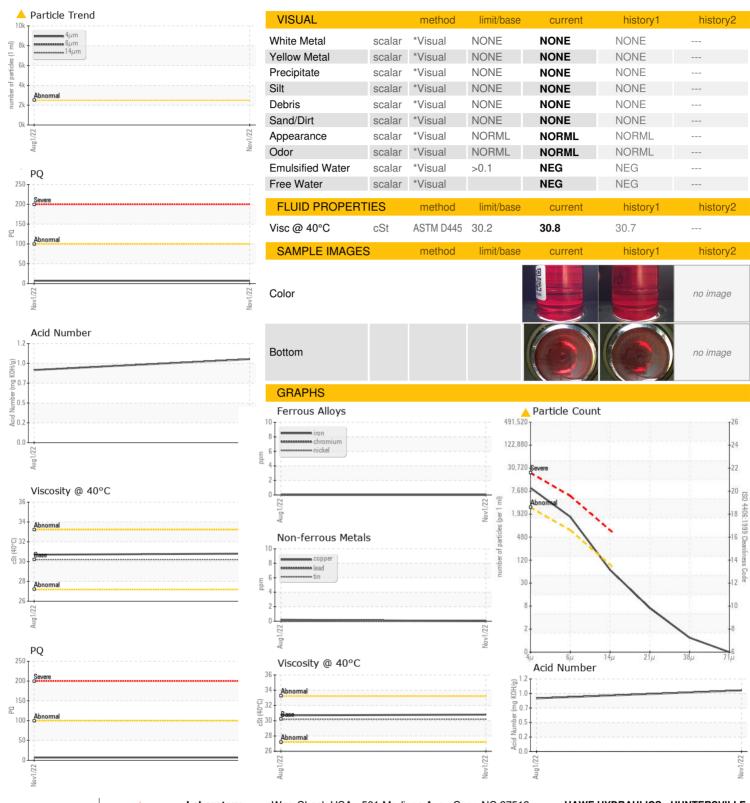
Fluid Condition

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

F (28 GAL)			Aug2022	Nov2022		\
SAMPLE INFORM	ΙΔΤΙΩΝ	method	limit/base	current	history1	history2
	ATION		IIIIIIVDase			HIStory
Sample Number		Client Info		WC0700546	WC0700535	
Sample Date	bro	Client Info		01 Nov 2022	01 Aug 2022	
Machine Age	hrs hrs	Client Info		0	0	
Oil Age Oil Changed	1115	Client Info		N/A	N/A	
Sample Status		Ciletit iiilo		ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
			IIIIIIVDase			
PQ Iron	ppm	ASTM D8184 ASTM D5185m	>200	7 0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>50	<1	3	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	0	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	710	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	ррш		11 11 11	-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	111	111	
Barium	ppm	ASTM D5185m	0	42	34	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	10	0	0	
Magnesium	ppm	ASTM D5185m	0	0	0	
Calcium	ppm	ASTM D5185m	370	82	93	
Phosphorus	ppm	ASTM D5185m	300	207	209	
Zinc	ppm	ASTM D5185m	0	0	2	
Sulfur	ppm	ASTM D5185m	1600	1145	983	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	
Sodium	ppm	ASTM D5185m		<1	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	<u> </u>		
Particles >6µm		ASTM D7647	>640	1426		
Particles >14µm		ASTM D7647	>80	59		
Particles >21µm		ASTM D7647	>20	6		
Particles >38μm		ASTM D7647	>4	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>^</u> 20/18/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.01	0.88	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0700546 : 05682715 : 10202287 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Nov 2022 Received Diagnosed : 08 Nov 2022

Diagnostician : Doug Bogart

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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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