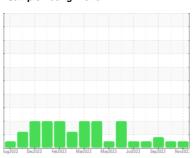


OIL ANALYSIS REPORT

Sample Rating Trend







VOLVO Component

Transmission (Auto)

CASTROL TRANSMAX SYNTHETIC MV ATF

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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

F (28 GAL)		Aug2022 Dec	2022 Feb2023 Mar202	23 May2023 Jul2023 Sep20	23 Nov202:	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0791129	WC0791125	WC0791120
Sample Date		Client Info		01 Nov 2023	02 Oct 2023	07 Sep 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				NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	0	<1	0
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	<1	2	1
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>225	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	101	107	102
Barium	ppm	ASTM D5185m	0	38	27	15
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	10	0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	<1	0
Calcium	ppm	ASTM D5185m	370	75	72	70
Phosphorus	ppm	ASTM D5185m	300	175	193	203
Zinc	ppm	ASTM D5185m	0	1	2	0
Sulfur	ppm	ASTM D5185m	1600	913	929	938
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	1	<1
Sodium	ppm	ASTM D5185m		0	3	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	194	367	2419
Particles >6µm		ASTM D7647	>640	80	128	<u> </u>
Particles >14µm		ASTM D7647	>80	11	23	71
Particles >21µm		ASTM D7647	>20	4	7	11
Particles >38µm		ASTM D7647	>4	0	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/13/11	16/14/12	▲ 18/17/13
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.78	0.83	0.79



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number

Unique Number

: 05996655 : 10725015

: WC0791129

: 02 Nov 2023 Received Diagnosed : 04 Nov 2023 Diagnostician

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: Don Baldridge

Test Package : IND 2 (Additional Tests: PrtCount) 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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