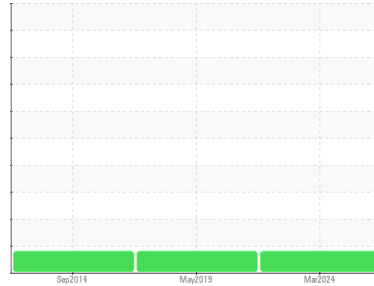


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
VOLVO A30D 74469
 Component
Transmission (Auto)
 Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ML0000936	VCP226893	VCP161382
Sample Date	Client Info		27 Mar 2024	01 May 2019	29 Sep 2014
Machine Age	hrs	Client Info	7611	6008	4242
Oil Age	hrs	Client Info	1603	0	1000
Oil Changed		Client Info	Changed	Changed	Changed
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	22	28	49
Chromium	ppm	ASTM D5185m >5	<1	<1	<1
Nickel	ppm	ASTM D5185m >5	<1	1	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >50	9	9	8
Lead	ppm	ASTM D5185m >50	4	8	11
Copper	ppm	ASTM D5185m >225	▲ 287	▲ 360	▲ 344
Tin	ppm	ASTM D5185m >10	14	16	12
Antimony	ppm	ASTM D5185m	---	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 187	76	67	80
Barium	ppm	ASTM D5185m 0.0	0	<1	0
Molybdenum	ppm	ASTM D5185m 0.0	<1	0	<1
Manganese	ppm	ASTM D5185m 0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185m 6.8	2	2	1
Calcium	ppm	ASTM D5185m 215	89	75	78
Phosphorus	ppm	ASTM D5185m 445	178	169	238
Zinc	ppm	ASTM D5185m 56	5	10	17
Sulfur	ppm	ASTM D5185m 1336	1875	1429	1884

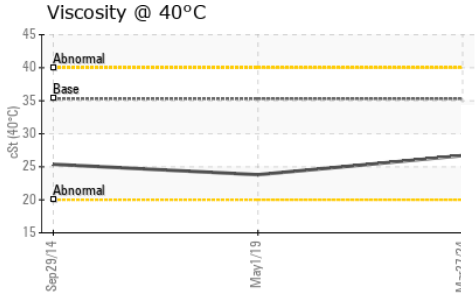
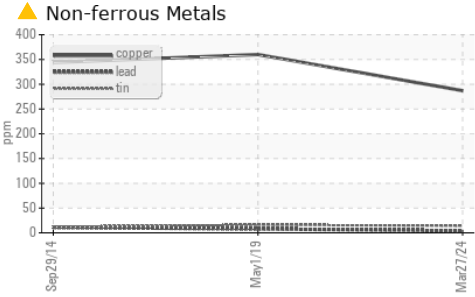
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	3	3	2
Sodium	ppm	ASTM D5185m	1	3	4
Potassium	ppm	ASTM D5185m >20	2	15	4

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

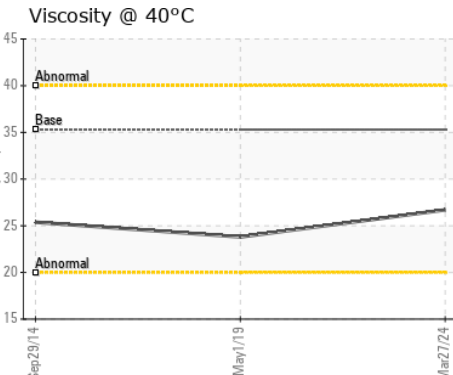
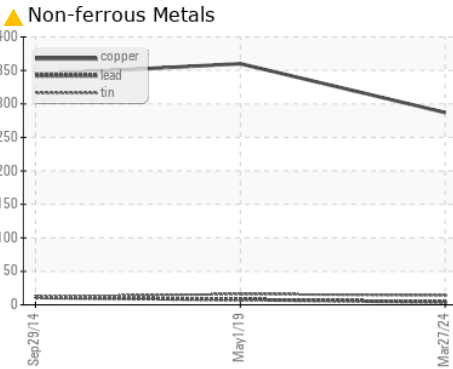
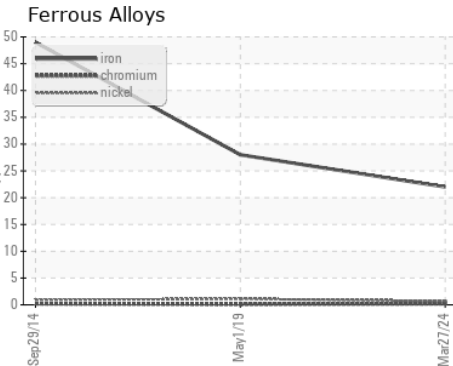
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	35.3	26.7	23.8	25.38

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000936
Lab Number : 06134309
Unique Number : 10953774
Test Package : CONST

Received : 29 Mar 2024
Tested : 01 Apr 2024
Diagnosed : 03 Apr 2024 - Sean Felton

McCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@McCLUNG-LOGAN.COM

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)

F: (804)266-1611