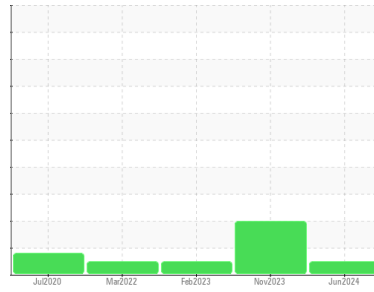


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
VOLVO A45G 342044
 Component
Transmission (Auto)
 Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All 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		ML0002786	VCP407649	VCP401304
Sample Date	Client Info		12 Jun 2024	10 Nov 2023	02 Feb 2023
Machine Age	hrs	Client Info	10882	9892	8248
Oil Age	hrs	Client Info	8248	1000	0
Oil Changed	Client Info		N/A	Not Changd	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

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	31	56	50
Chromium	ppm	ASTM D5185m >5	0	0	0
Nickel	ppm	ASTM D5185m >5	2	6	6
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >50	6	14	13
Lead	ppm	ASTM D5185m >50	0	0	<1
Copper	ppm	ASTM D5185m >225	22	45	37
Tin	ppm	ASTM D5185m >10	1	5	4
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 187	88	91	99
Barium	ppm	ASTM D5185m 0.0	0	0	0
Molybdenum	ppm	ASTM D5185m 0.0	0	0	<1
Manganese	ppm	ASTM D5185m 0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185m 6.8	<1	<1	3
Calcium	ppm	ASTM D5185m 215	68	82	90
Phosphorus	ppm	ASTM D5185m 445	178	205	207
Zinc	ppm	ASTM D5185m 56	26	7	9
Sulfur	ppm	ASTM D5185m 1336	2103	1848	2266

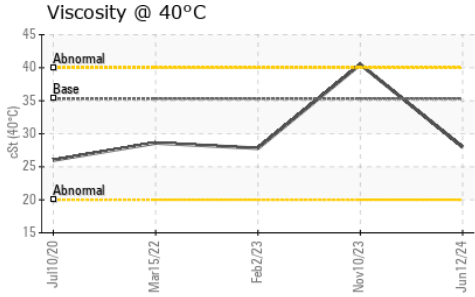
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	3	10	4
Sodium	ppm	ASTM D5185m	2	4	3
Potassium	ppm	ASTM D5185m >20	<1	0	<1

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	▲ MODER	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	0.2%	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

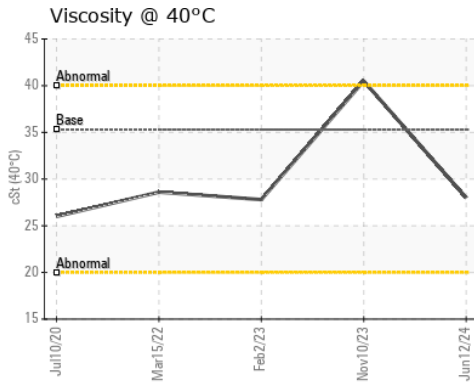
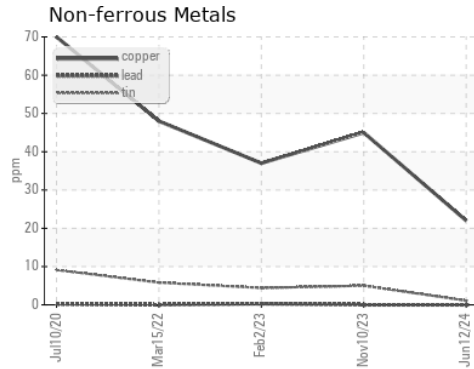
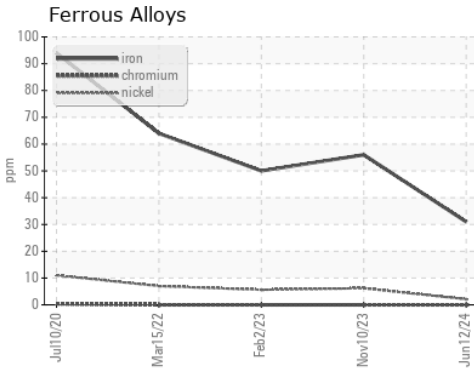


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	35.3	28.0	40.5	27.8

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002786
Lab Number : 06211000
Unique Number : 11083864
Test Package : CONST

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