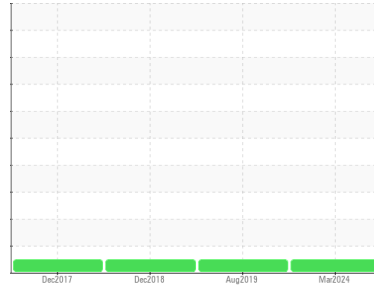


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[W05004118]
Machine Id
VOLVO A40G 341427
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (11 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: W05004118)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ML0000397	VCP250112	VCP223508
Sample Date	Client Info		19 Mar 2024	24 Aug 2019	16 Dec 2018
Machine Age	hrs	Client Info	11295	4048	3008
Oil Age	hrs	Client Info	2000	0	0
Oil Changed	Client Info		Changed	Changed	N/A
Sample Status			NORMAL	NORMAL	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	15	47	42
Chromium	ppm	ASTM D5185m >5	0	<1	0
Nickel	ppm	ASTM D5185m >5	0	2	1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >50	2	13	9
Lead	ppm	ASTM D5185m >50	0	0	0
Copper	ppm	ASTM D5185m >225	2	12	11
Tin	ppm	ASTM D5185m >10	0	0	<1
Antimony	ppm	ASTM D5185m	---	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 187	94	81	73
Barium	ppm	ASTM D5185m 0.0	0	0	0
Molybdenum	ppm	ASTM D5185m 0.0	0	0	0
Manganese	ppm	ASTM D5185m 0.0	0	1	2
Magnesium	ppm	ASTM D5185m 6.8	0	<1	0
Calcium	ppm	ASTM D5185m 215	74	94	80
Phosphorus	ppm	ASTM D5185m 445	205	182	148
Zinc	ppm	ASTM D5185m 56	0	6	0
Sulfur	ppm	ASTM D5185m 1336	2471	2654	1812

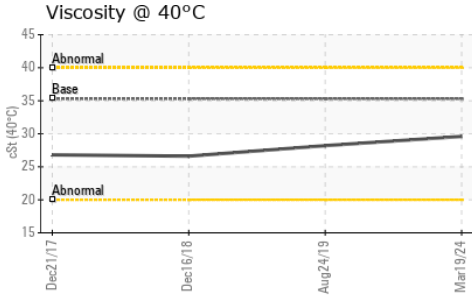
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	2	4	8
Sodium	ppm	ASTM D5185m	1	3	3
Potassium	ppm	ASTM D5185m >20	0	0	3

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

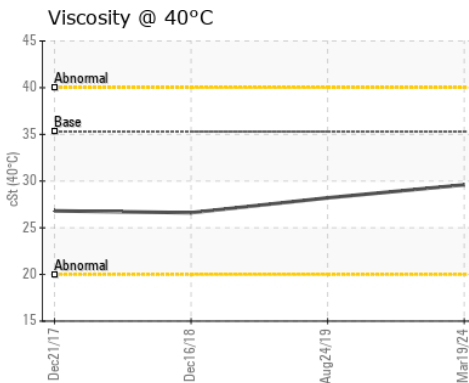
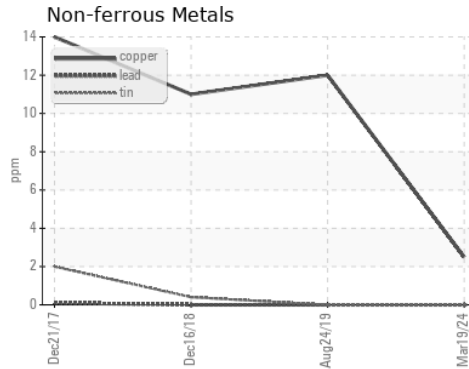
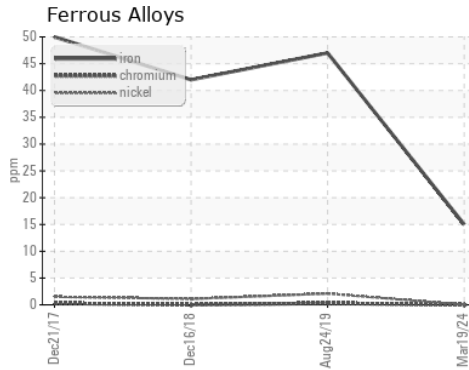


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	35.3	29.6	28.2	26.61

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000397
Lab Number : 06124436
Unique Number : 10938587
Test Package : CONST

Received : 20 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 23 Mar 2024 - Don Baldrige

MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS
 8450 QUARRY ROAD
 MANASSAS, VA
 US 20110
 Contact: MIKE MAYHUGH
 MMAYHUGH@MCCLUNG-LOGAN.COM
 T: (703)393-7344
 F: (703)393-7844

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)