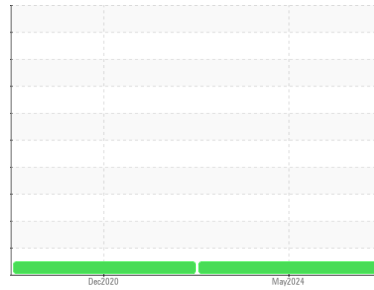




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[W/O 10848]
 Machine Id
VOLVO L90H 623915
 Component
Transmission (Auto)
 Fluid
VOLVO AT 102 (5 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			ML0002174	VCP294170	---
Sample Date	Client Info			28 May 2024	14 Dec 2020	---
Machine Age	hrs	Client Info		11224	4845	---
Oil Age	hrs	Client Info		6379	0	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

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

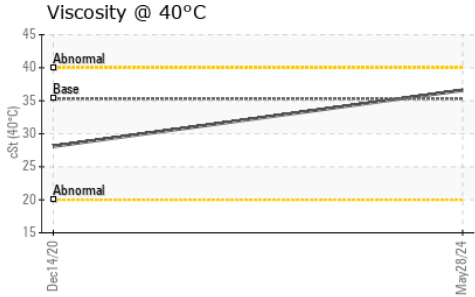
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	86	121	---
Chromium	ppm	ASTM D5185m	>5	<1	1	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>50	11	12	---
Lead	ppm	ASTM D5185m	>50	0	2	---
Copper	ppm	ASTM D5185m	>225	11	22	---
Tin	ppm	ASTM D5185m	>10	0	2	---
Antimony	ppm	ASTM D5185m		---	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
Cadmium	ppm	ASTM D5185m		<1	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	187	70	45	---
Barium	ppm	ASTM D5185m	0.0	1	2	---
Molybdenum	ppm	ASTM D5185m	0.0	<1	0	---
Manganese	ppm	ASTM D5185m	0.0	4	7	---
Magnesium	ppm	ASTM D5185m	6.8	<1	3	---
Calcium	ppm	ASTM D5185m	215	99	106	---
Phosphorus	ppm	ASTM D5185m	445	225	164	---
Zinc	ppm	ASTM D5185m	56	35	47	---
Sulfur	ppm	ASTM D5185m	1336	2901	1483	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	10	7	---
Sodium	ppm	ASTM D5185m		7	8	---
Potassium	ppm	ASTM D5185m	>20	2	6	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

OIL ANALYSIS REPORT

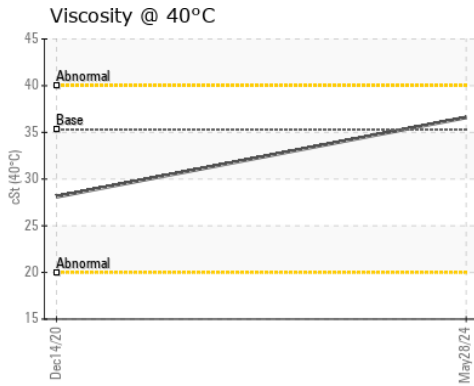
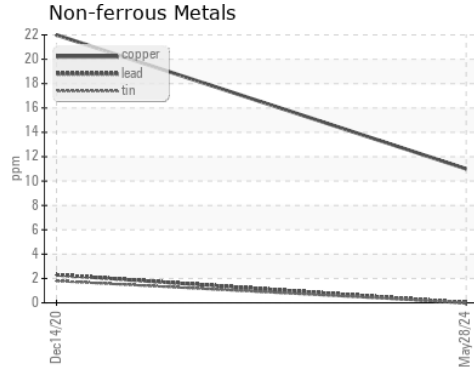
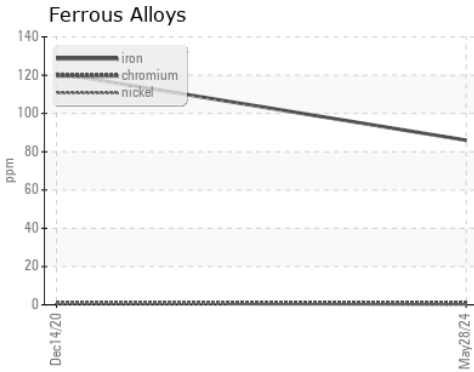


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	35.3	36.6	28.1	---

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. : ML0002174
Lab Number : **06197149**
Unique Number : 11059272
Test Package : CONST

MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE
 4601 WASHINGTON BOULEVARD
 BALTIMORE, MD
 US 21227

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

Contact: MARK CIULLA
mciulla@mcclung-logan.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (410)242-6500

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (410)242-7835