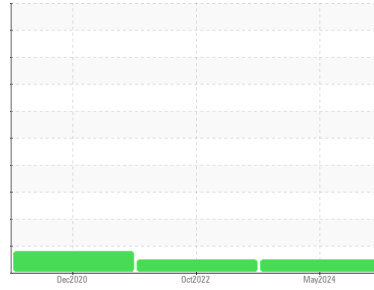




# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**[W/O 10848]**  
 Machine Id  
**VOLVO L90H 623915**  
 Component  
**Rear Axle**  
 Fluid  
**VOLVO WB 102 (8 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 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			<b>ML0002186</b>	VCP390126	VCP290787
Sample Date	Client Info			<b>28 May 2024</b>	13 Oct 2022	14 Dec 2020
Machine Age	hrs	Client Info		<b>11224</b>	8591	4845
Oil Age	hrs	Client Info		<b>2633</b>	0	0
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	NEG

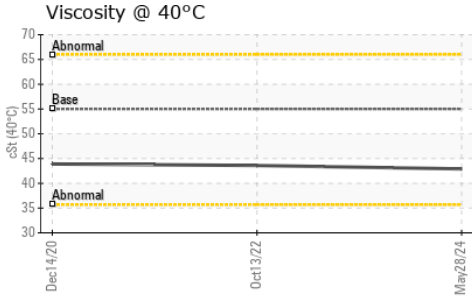
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>300	<b>58</b>	144	▲ 304
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	2	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>1</b>	1	2
Lead	ppm	ASTM D5185m	>4	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>200	<b>4</b>	10	28
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	1
Antimony	ppm	ASTM D5185m	>4	<b>---</b>	---	5
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>155</b>	123	106
Barium	ppm	ASTM D5185m		<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	8	3
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185m		<b>20</b>	76	71
Calcium	ppm	ASTM D5185m		<b>4009</b>	3618	3493
Phosphorus	ppm	ASTM D5185m		<b>1342</b>	1262	1158
Zinc	ppm	ASTM D5185m		<b>1623</b>	1572	1498
Sulfur	ppm	ASTM D5185m		<b>4066</b>	4760	3433

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>16</b>	14	18
Sodium	ppm	ASTM D5185m		<b>1</b>	7	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

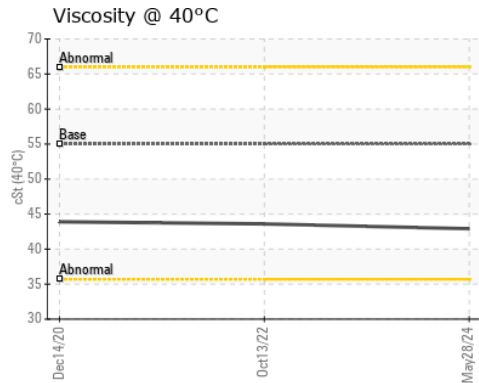
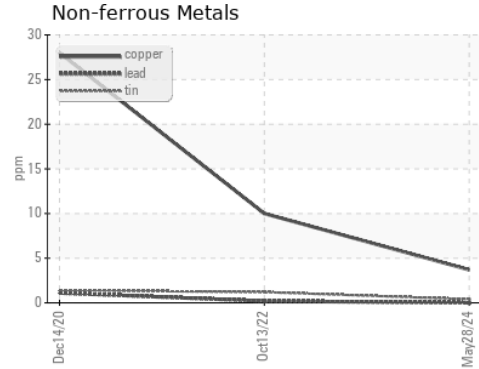
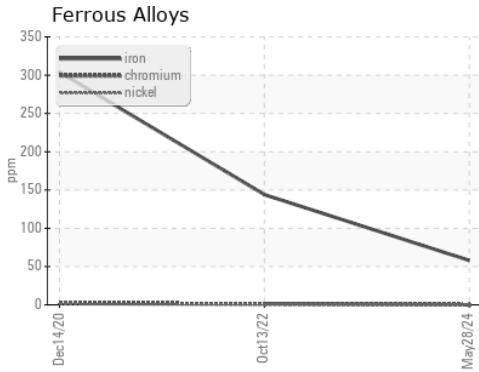


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	<b>42.9</b>	43.6	43.9

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

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)

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002186  
**Lab Number** : 06197108  
**Unique Number** : 11059231  
**Test Package** : CONST

**Received** : 31 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 04 Jun 2024 - Don Baldrige

**MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE**  
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 US 21227

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Submitted By: DELANO GREGORY