



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**VOLVO L20H 1220565**  
Component  
**Rear Axle**  
Fluid  
**SAE 80 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0000876</b>	---	---
Sample Date		Client Info		<b>26 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1057</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>500	<b>175</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>120	<b>5</b>	---	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

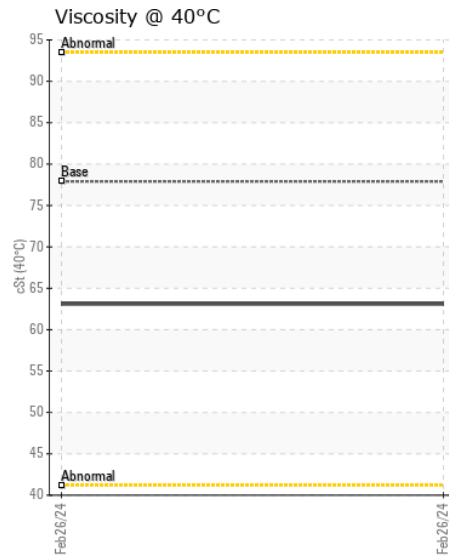
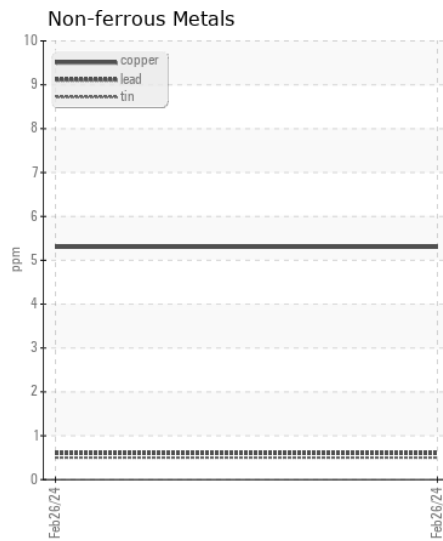
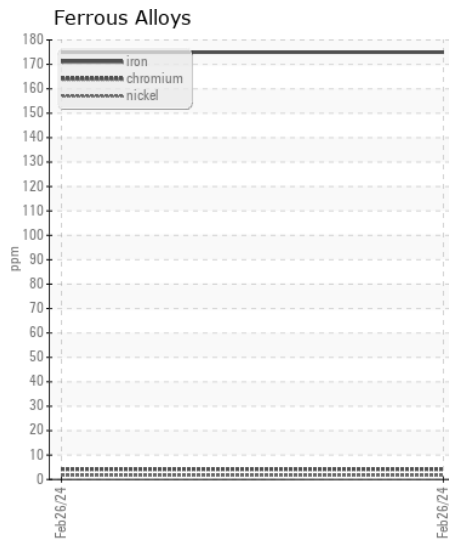
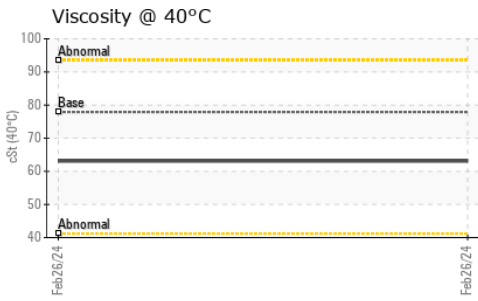
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>51</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>24</b>	---	---
Boron	ppm	ASTM D5185m		<b>138</b>	---	---
Barium	ppm	ASTM D5185m		<b>5</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>14</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>14</b>	---	---
Calcium	ppm	ASTM D5185m		<b>4789</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1637</b>	---	---
Zinc	ppm	ASTM D5185m		<b>2019</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>6210</b>	---	---
Visc @ 40°C	cSt	ASTM D445	77.9	<b>63.1</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0000876  
**Lab Number** : 06103851  
**Unique Number** : 10902081  
**Test Package** : CONST

**Received** : 28 Feb 2024  
**Tested** : 29 Feb 2024  
**Diagnosed** : 01 Mar 2024 - Don Baldrige

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
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 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)

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