



# OIL ANALYSIS REPORT



Area  
**[W02008430]**  
 Machine Id  
**VOLVO L70H 622409**  
 Component  
**Rear Axle**  
 Fluid  
**{not provided} (--- GAL)**

## Sample Rating Trend



## DIAGNOSIS

**Recommendation**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W0200842I30 )

**Wear**  
 Bearing and/or bushing wear is indicated.

**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>ML0002487</b>	---	---
Sample Date	Client Info		<b>19 Jun 2024</b>	---	---
Machine Age	hrs Client Info		<b>12321</b>	---	---
Oil Age	hrs Client Info		<b>12321</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>500	<b>68</b>	---	---
Chromium	ppm ASTM D5185m	>20	<b>2</b>	---	---
Nickel	ppm ASTM D5185m	>10	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>30	<b>4</b>	---	---
Lead	ppm ASTM D5185m	>50	<b>2</b>	---	---
Copper	ppm ASTM D5185m	>120	<b>▲ 212</b>	---	---
Tin	ppm ASTM D5185m	>20	<b>▲ 26</b>	---	---
Vanadium	ppm ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		<b>119</b>	---	---
Barium	ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185m		<b>3</b>	---	---
Magnesium	ppm ASTM D5185m		<b>20</b>	---	---
Calcium	ppm ASTM D5185m		<b>3808</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>1317</b>	---	---
Zinc	ppm ASTM D5185m		<b>1534</b>	---	---
Sulfur	ppm ASTM D5185m		<b>9188</b>	---	---

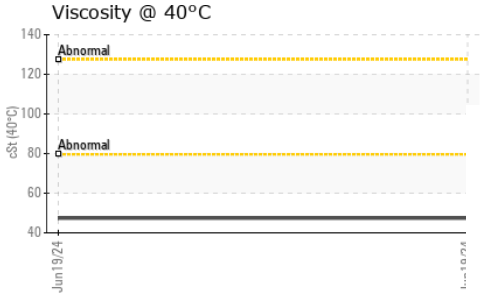
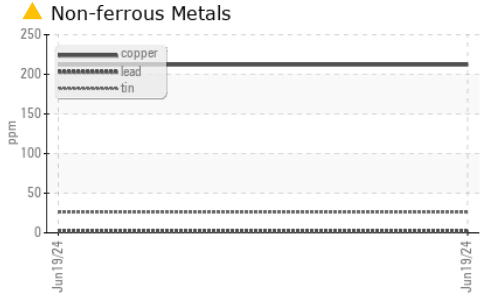
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	<b>24</b>	---	---
Sodium	ppm ASTM D5185m		<b>6</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>3</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar *Visual	NONE	<b>NONE</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>	---	---
Free Water	scalar *Visual		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT



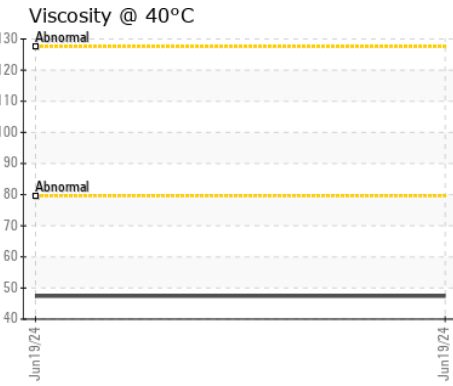
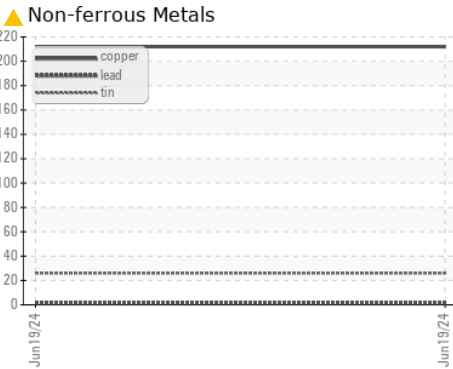
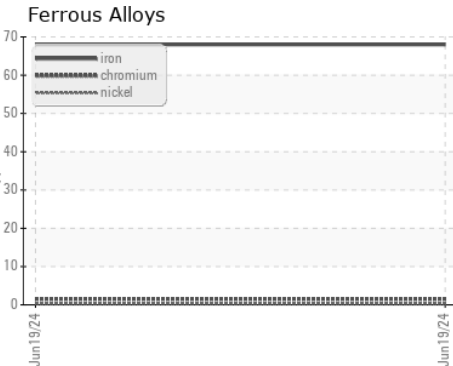
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	<b>47.4</b>	---	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
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.** : ML0002487      **Received** : 20 Jun 2024  
**Lab Number** : 06216376      **Tested** : 21 Jun 2024  
**Unique Number** : 11089240      **Diagnosed** : 23 Jun 2024 - Don Baldrige  
**Test Package** : CONST

**WILLIAM HAZEL**  
 PO BOX 600  
 CHANTILLY, VA  
 US 20153

Contact: SERVICE MANAGER  
 jimmy\_elswick@wahazel.com  
 T: (703)378-8300

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)