



# OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L150H 7248**  
Component  
**Front Axle**  
Fluid  
**FACTORY (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

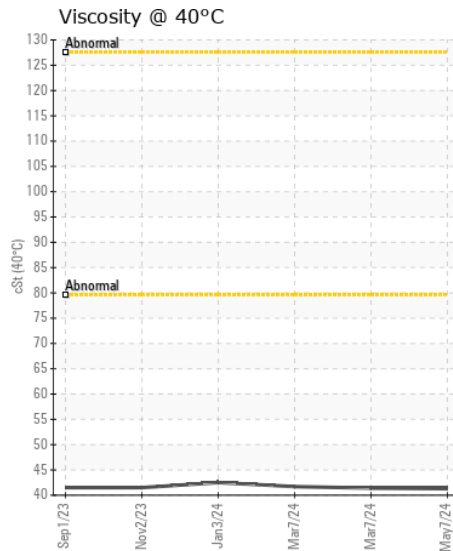
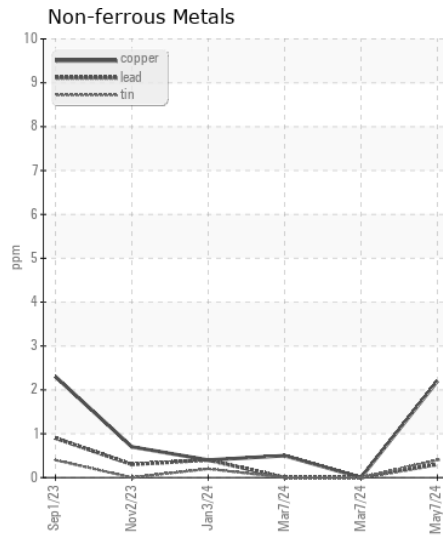
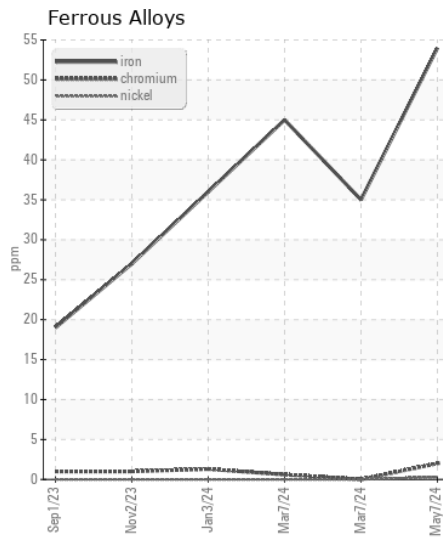
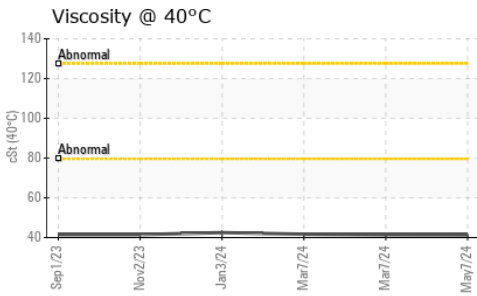
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0000191</b>	ML0000168	ML0000169
Sample Date		Client Info		<b>07 May 2024</b>	07 Mar 2024	07 Mar 2024
Machine Age	hrs	Client Info		<b>1226</b>	996	996
Oil Age	hrs	Client Info		<b>1226</b>	996	996
Filter Age	hrs	Client Info		<b>1226</b>	996	996
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>500	<b>54</b>	45	35
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>120	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	<b>12</b>	10	9
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	1	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</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

Sodium	ppm	ASTM D5185m		<b>0</b>	4	4
Boron	ppm	ASTM D5185m		<b>149</b>	120	120
Barium	ppm	ASTM D5185m		<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>3</b>	1	1
Manganese	ppm	ASTM D5185m		<b>4</b>	3	1
Magnesium	ppm	ASTM D5185m		<b>9</b>	8	7
Calcium	ppm	ASTM D5185m		<b>4000</b>	3661	3655
Phosphorus	ppm	ASTM D5185m		<b>1454</b>	1296	1307
Zinc	ppm	ASTM D5185m		<b>1662</b>	1488	1492
Sulfur	ppm	ASTM D5185m		<b>4970</b>	3803	4181
Visc @ 40°C	cSt	ASTM D445		<b>41.3</b>	41.4	41.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0000191  
**Lab Number** : 06175923  
**Unique Number** : 11021976  
**Test Package** : CONST

**Received** : 10 May 2024  
**Tested** : 13 May 2024  
**Diagnosed** : 14 May 2024 - Sean Felton

**MARYLAND ENVIRONMENTAL SERVICES**  
 21210 MARTINSBURG RD  
 DICKERSON, MD  
 US 20842

Contact: ALAN PARRISH  
 aparr@menv.com  
 T: (301)428-8185  
 F: (301)428-8311

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)