



**McCLUNG-LOGAN**  
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L150H 4375**  
Component  
**Front Axle**  
Fluid  
**MOBIL MOBILFLUID 424 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0000164</b>	VCP442918	VCP409002
Sample Date		Client Info		<b>27 Feb 2024</b>	22 Nov 2023	07 Aug 2023
Machine Age	hrs	Client Info		<b>11242</b>	11007	10788
Oil Age	hrs	Client Info		<b>1261</b>	1026	807
Filter Age	hrs	Client Info		<b>1261</b>	0	0
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

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>11</b>	8	10
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>120	<b>2</b>	3	2
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

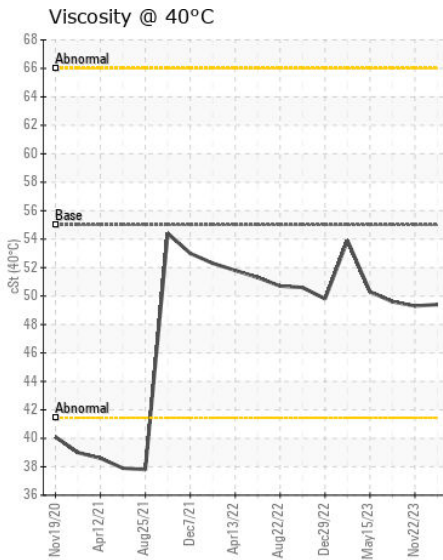
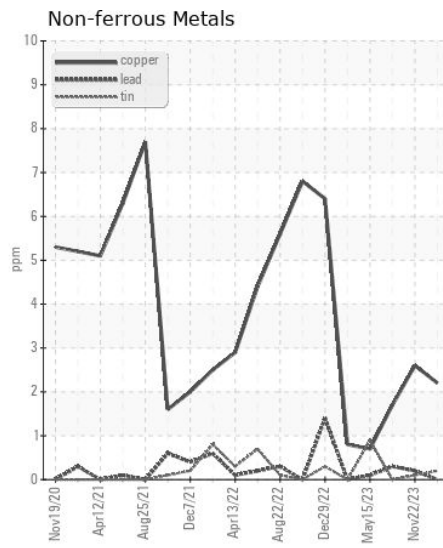
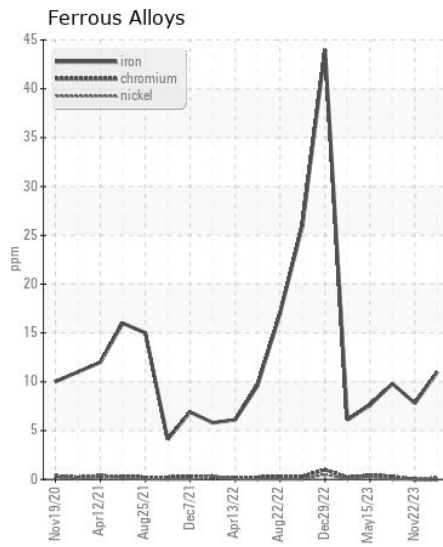
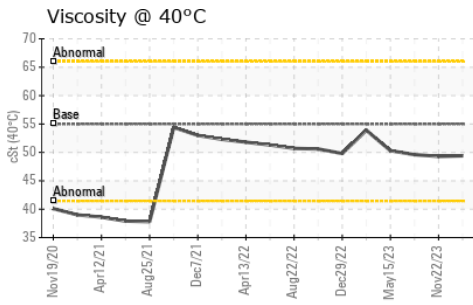
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>10</b>	8	9
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
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

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>2</b>	2	2
Boron	ppm	ASTM D5185m		<b>119</b>	101	131
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	2	2
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>20</b>	17	22
Calcium	ppm	ASTM D5185m		<b>3150</b>	3316	3420
Phosphorus	ppm	ASTM D5185m		<b>1113</b>	1159	1130
Zinc	ppm	ASTM D5185m		<b>1343</b>	1306	1385
Sulfur	ppm	ASTM D5185m		<b>7658</b>	7004	8616
Visc @ 40°C	cSt	ASTM D445	55	<b>49.4</b>	49.3	49.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0000164  
**Lab Number** : 06106477  
**Unique Number** : 10909974  
**Test Package** : CONST

**Received** : 01 Mar 2024  
**Tested** : 04 Mar 2024  
**Diagnosed** : 05 Mar 2024 - Jonathan Hester

**MARYLAND ENVIRONMENTAL SERVICES**  
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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)