McCLUNG-LOGAN EQUIPMENT COMPANY, INC.
OIL ANALYSIS REPORT

WEAR	**NORMAL**	
CONTAMINATION	**NORMAL**	
FLUID CONDITION	**NORMAL**	

Area
[W02008504]
Machine Id
VOLVO L70H 624729
Component
Rear Axle
Fluid
{not provided} (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W02008504)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**ML0001092**	ML0001129	---
Sample Date		Client Info		**01 Jul 2024**	07 May 2024	---
Machine Age	hrs	Client Info		**3922**	3578	---
Oil Age	hrs	Client Info		**344**	2000	---
Filter Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Changed	---
Filter Changed		Client Info		**Changed**	N/A	---
Sample Status				**NORMAL**	ABNORMAL	---

WEAR

All component wear rates are normal.

| Test	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>500	**34**	145	---
Chromium	ppm	ASTM D5185m	>20	**<1**	4	---
Nickel	ppm	ASTM D5185m	>10	**<1**	2	---
Titanium	ppm	ASTM D5185m		**0**	<1	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>30	**1**	2	---
Lead	ppm	ASTM D5185m	>50	**0**	2	---
Copper	ppm	ASTM D5185m	>120	**34**	▲ 186	---
Tin	ppm	ASTM D5185m	>20	**4**	▲ 21	---
Vanadium	ppm	ASTM D5185m		**0**	<1	---
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>50	**16**	22	---
Potassium	ppm	ASTM D5185m	>20	**<1**	5	---
Water		WC Method	>0.2	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	---

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		**4**	11	---
Boron	ppm	ASTM D5185m		**66**	143	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**6**	5	---
Manganese	ppm	ASTM D5185m		**2**	11	---
Magnesium	ppm	ASTM D5185m		**54**	12	---
Calcium	ppm	ASTM D5185m		**3437**	3718	---
Phosphorus	ppm	ASTM D5185m		**1285**	1458	---
Zinc	ppm	ASTM D5185m		**1503**	1566	---
Sulfur	ppm	ASTM D5185m		**4936**	4321	---
Visc @ 40°C	cSt	ASTM D445		**43.1**	41.5	---
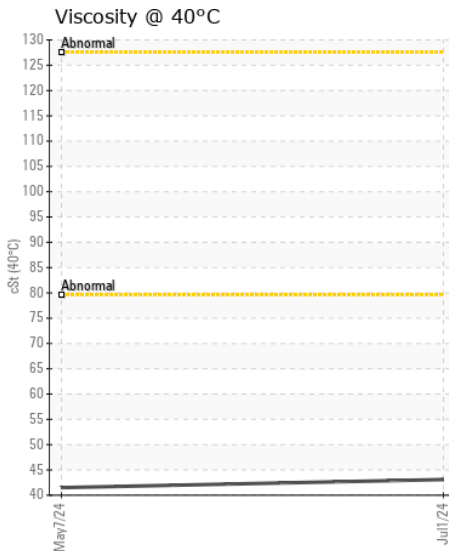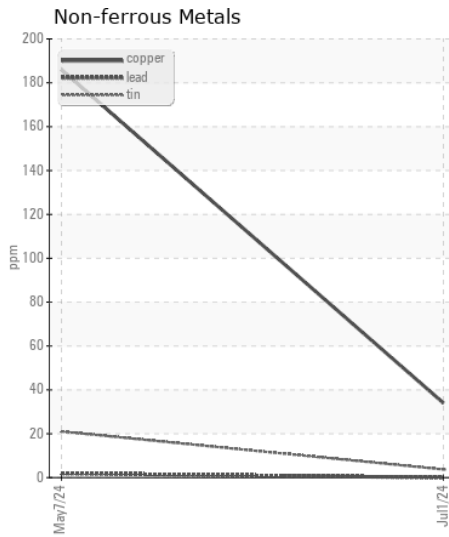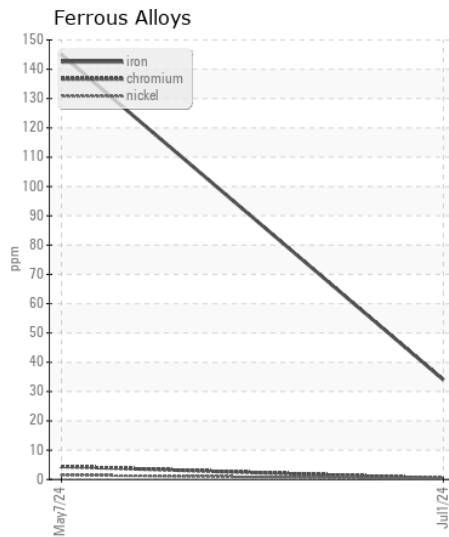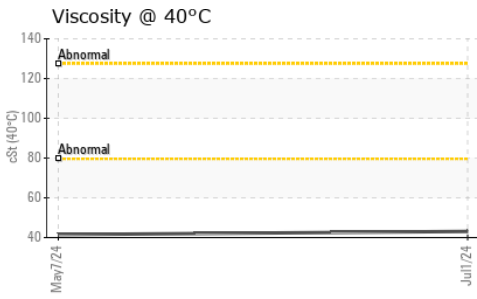
Viscosity @ 40°C

Ferrous Alloys

Non-ferrous Metals

Viscosity @ 40°C

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