



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

NORMAL

NORMAL



Area

[W02008520]

Machine Id

VOLVO A40G 352243

Component

Drop Box

Fluid

{not provided} (3 GAL)

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: W02008520)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002348	---	---
Sample Date		Client Info		03 Jul 2024	---	---
Machine Age	hrs	Client Info		482	---	---
Oil Age	hrs	Client Info		482	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

Bearing and/or gear wear is indicated. All other metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>500	▲ 1116	---	---
Chromium	ppm	ASTM D5185m	>20	9	---	---
Nickel	ppm	ASTM D5185m	>10	10	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>30	2	---	---
Lead	ppm	ASTM D5185m	>30	<1	---	---
Copper	ppm	ASTM D5185m	>30	▲ 109	---	---
Tin	ppm	ASTM D5185m	>20	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

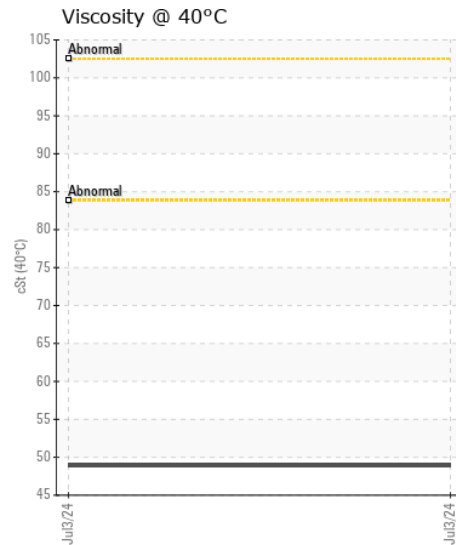
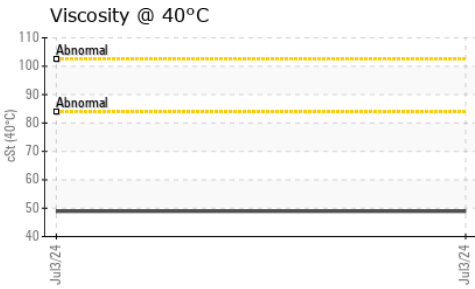
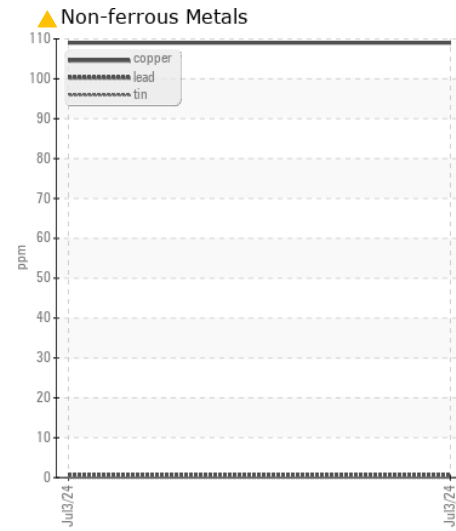
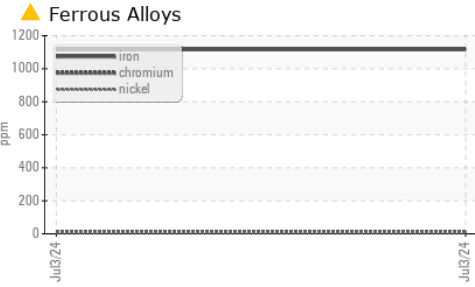
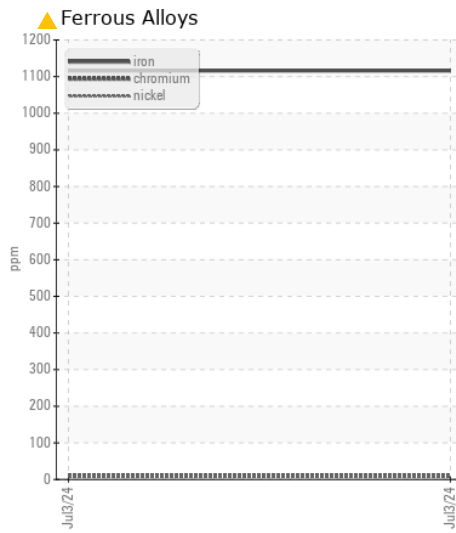
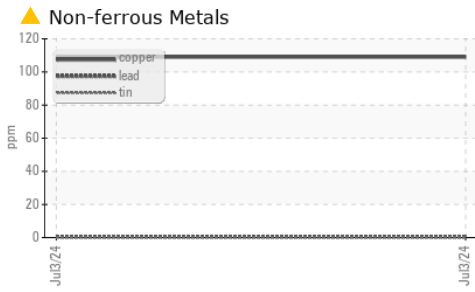
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	21	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	LIGHT	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	---	---
Boron	ppm	ASTM D5185m		82	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		37	---	---
Manganese	ppm	ASTM D5185m		12	---	---
Magnesium	ppm	ASTM D5185m		7	---	---
Calcium	ppm	ASTM D5185m		1053	---	---
Phosphorus	ppm	ASTM D5185m		1952	---	---
Zinc	ppm	ASTM D5185m		708	---	---
Sulfur	ppm	ASTM D5185m		20321	---	---
Visc @ 40°C	cSt	ASTM D445		48.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002348
Lab Number : 06229340
Unique Number : 11112833
Test Package : CONST

Received : 05 Jul 2024
Tested : 09 Jul 2024
Diagnosed : 09 Jul 2024 - Don Baldrige

MCCLUNG-LOGAN EQUIPMENT CO - SALEM
 2025 COOK DRIVE
 SALEM, VA
 US 24153
 Contact: SCOTT CARR
 scarr@mcclung-logan.com
 T: (540)418-5218
 F:

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)