



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W05004101]
Machine Id
VOLVO A45G 342679
Component
Drop Box
Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (3 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W05004101)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0000401	VCP362958	---
Sample Date		Client Info		19 Mar 2024	09 May 2022	---
Machine Age	hrs	Client Info		8663	4641	---
Oil Age	hrs	Client Info		2000	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

The aluminum level has decreased, but is still abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	451	▲ 521	---
Chromium	ppm	ASTM D5185m	>20	4	5	---
Nickel	ppm	ASTM D5185m	>10	2	3	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	▲ 40	▲ 56	---
Lead	ppm	ASTM D5185m	>30	0	<1	---
Copper	ppm	ASTM D5185m	>30	23	17	---
Tin	ppm	ASTM D5185m	>20	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

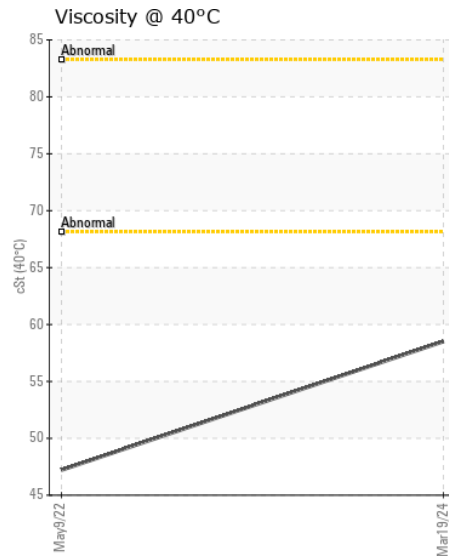
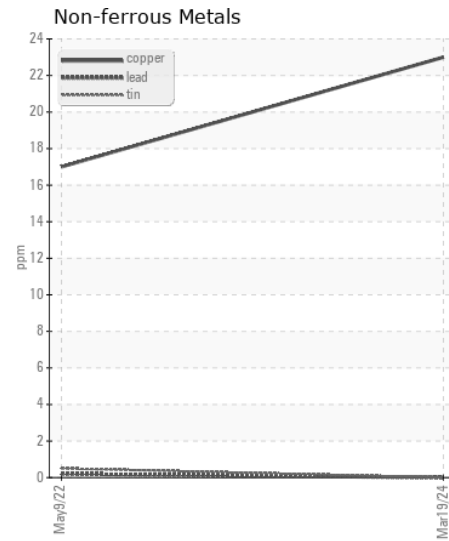
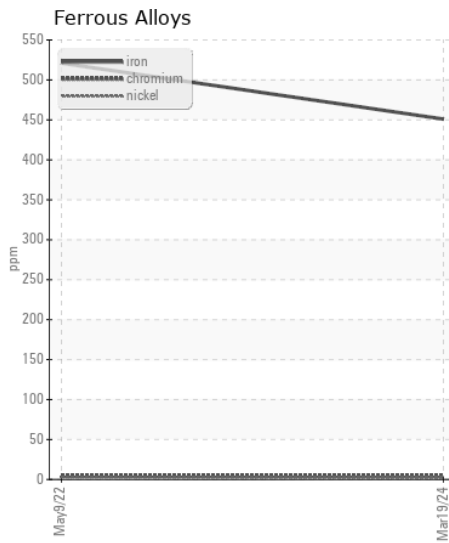
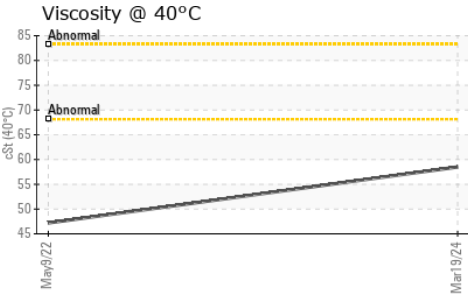
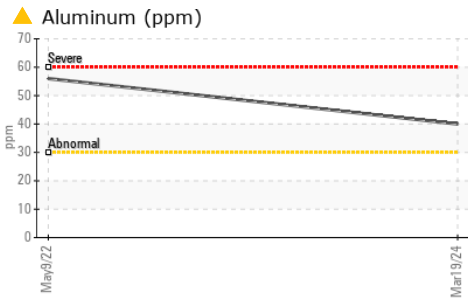
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	14	46	---
Potassium	ppm	ASTM D5185m	>20	0	6	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
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.

Sodium	ppm	ASTM D5185m		4	10	---
Boron	ppm	ASTM D5185m		211	134	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		7	14	---
Manganese	ppm	ASTM D5185m		5	8	---
Magnesium	ppm	ASTM D5185m		2	5	---
Calcium	ppm	ASTM D5185m		27	65	---
Phosphorus	ppm	ASTM D5185m		2339	2014	---
Zinc	ppm	ASTM D5185m		94	165	---
Sulfur	ppm	ASTM D5185m		27677	21320	---
Visc @ 40°C	cSt	ASTM D445		58.5	47.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000401
Lab Number : 06124427
Unique Number : 10938578
Test Package : CONST

Received : 20 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 23 Mar 2024 - Don Baldrige

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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)