



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
CBM [396603]
Machine Id
VOLVO A40G 353347
Component
Drop Box
Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP393083	VCP394701	---
Sample Date		Client Info		02 Mar 2024	11 Aug 2023	---
Machine Age	hrs	Client Info		2000	1014	---
Oil Age	hrs	Client Info		1000	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	44	106	---
Chromium	ppm	ASTM D5185(m)	>20	<1	2	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>30	<1	<1	---
Lead	ppm	ASTM D5185(m)	>30	<1	<1	---
Copper	ppm	ASTM D5185(m)	>30	10	22	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

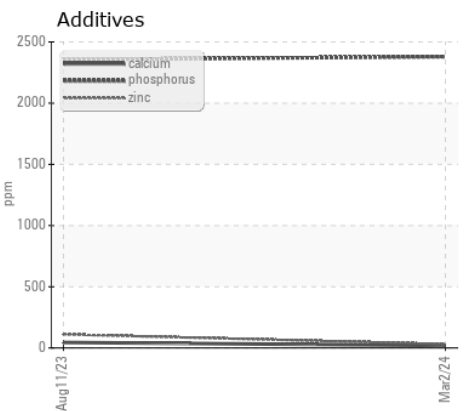
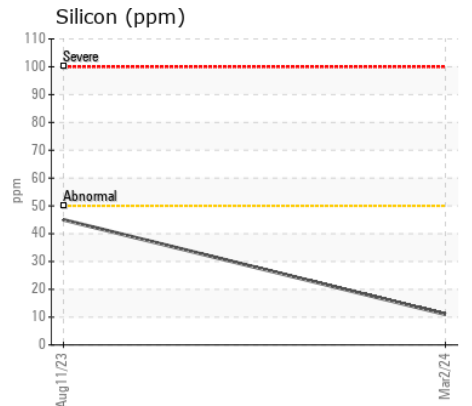
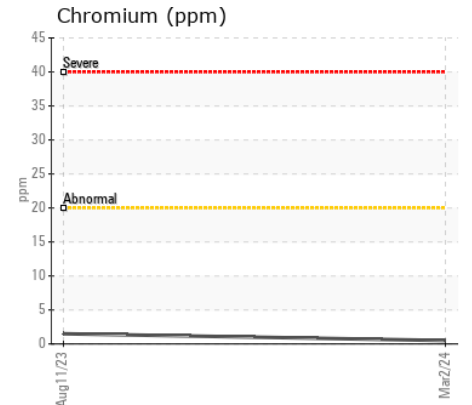
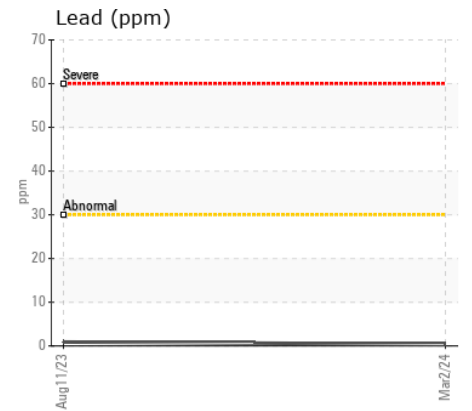
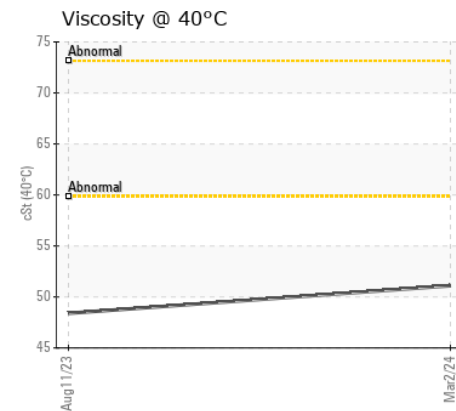
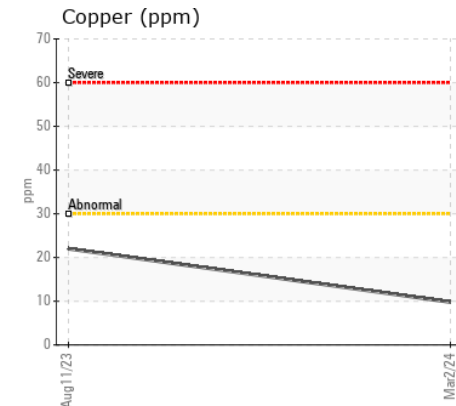
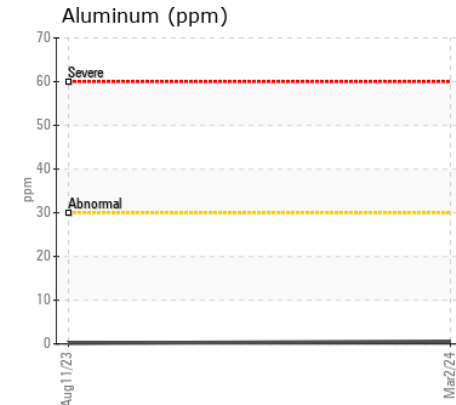
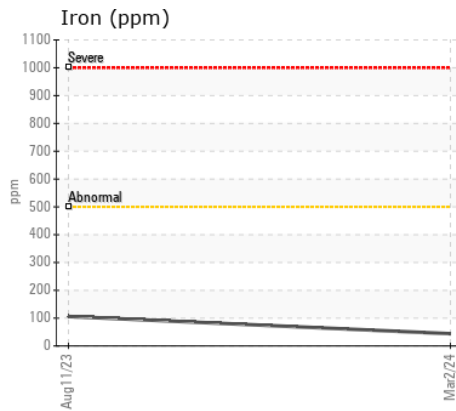
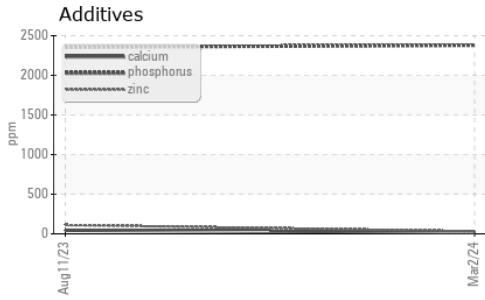
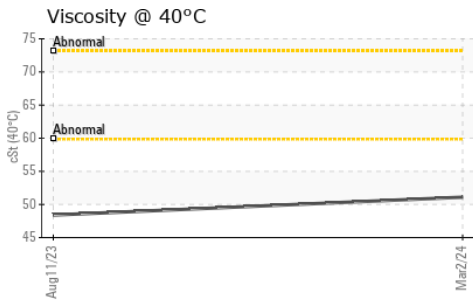
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	11	45	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
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

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	9	---
Boron	ppm	ASTM D5185(m)		200	100	---
Barium	ppm	ASTM D5185(m)		0	1	---
Molybdenum	ppm	ASTM D5185(m)		3	7	---
Manganese	ppm	ASTM D5185(m)		<1	4	---
Magnesium	ppm	ASTM D5185(m)		1	6	---
Calcium	ppm	ASTM D5185(m)		20	45	---
Phosphorus	ppm	ASTM D5185(m)		2379	2355	---
Zinc	ppm	ASTM D5185(m)		31	111	---
Sulfur	ppm	ASTM D5185(m)		25563	24531	---
Visc @ 40°C	cSt	ASTM D7279(m)		51.1	48.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP393083
Lab Number : 02620270
Unique Number : 5737380
Test Package : MOB 1
Received : 06 Mar 2024
Tested : 06 Mar 2024
Diagnosed : 06 Mar 2024 - Kevin Marson

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.