



ASCENDUM

OIL ANALYSIS REPORT

WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO A40G 2309 (S/N A40GV353303)

Component

Drop Box

Fluid

{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011096	ASC0002659	---
Sample Date		Client Info		23 May 2024	29 Nov 2023	---
Machine Age	hrs	Client Info		2977	1978	---
Oil Age	hrs	Client Info		1977	1978	---
Filter Age	hrs	Client Info		0	1978	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	3	368	---
Chromium	ppm	ASTM D5185m	>20	0	4	---
Nickel	ppm	ASTM D5185m	>10	0	3	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	0	<1	---
Lead	ppm	ASTM D5185m	>30	0	0	---
Copper	ppm	ASTM D5185m	>30	0	13	---
Tin	ppm	ASTM D5185m	>20	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

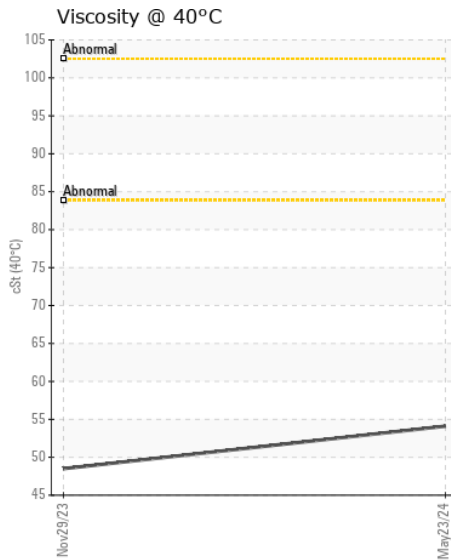
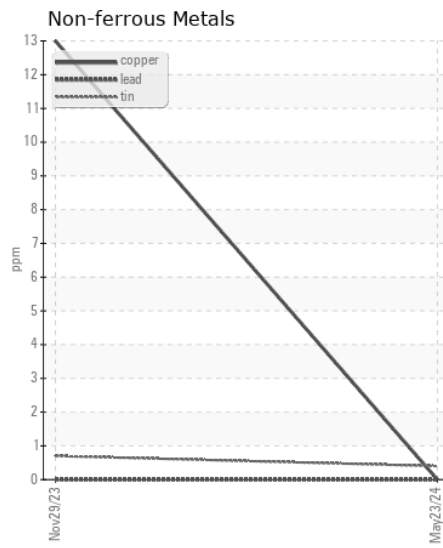
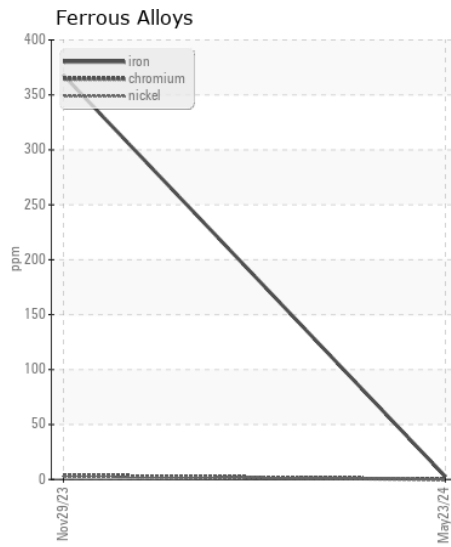
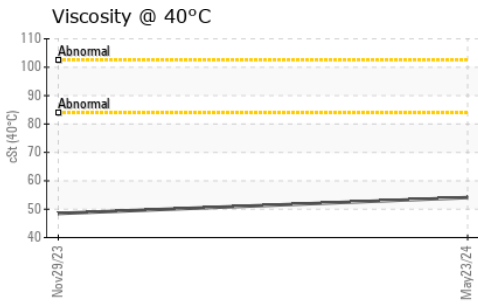
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<1	▲ 59	---
Potassium	ppm	ASTM D5185m	>20	2	4	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	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.

Sodium	ppm	ASTM D5185m		2	4	---
Boron	ppm	ASTM D5185m		295	140	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	5	---
Manganese	ppm	ASTM D5185m		0	6	---
Magnesium	ppm	ASTM D5185m		<1	5	---
Calcium	ppm	ASTM D5185m		14	28	---
Phosphorus	ppm	ASTM D5185m		2518	2365	---
Zinc	ppm	ASTM D5185m		11	112	---
Sulfur	ppm	ASTM D5185m		33876	28611	---
Visc @ 40°C	cSt	ASTM D445		54.1	48.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011096
Lab Number : 06195731
Unique Number : 11057854
Test Package : CONST

Received : 30 May 2024
Tested : 31 May 2024
Diagnosed : 01 Jun 2024 - Don Baldrige

G S MATERIALS INC
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 US 27216

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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)