



ASCENDUM

OIL ANALYSIS REPORT

WEAR

ABNORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO A40G 2331 (S/N A40GV752021)

Component

Drop Box

Fluid

{not provided} (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011307	ASC0008516	VCP434439
Sample Date		Client Info		23 May 2024	29 Feb 2024	13 Sep 2023
Machine Age	hrs	Client Info		1984	1491	513
Oil Age	hrs	Client Info		0	1491	0
Filter Age	hrs	Client Info		0	1491	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	▲ 508	379	189
Chromium	ppm	ASTM D5185m	>20	4	3	2
Nickel	ppm	ASTM D5185m	>10	2	2	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	0	<1
Lead	ppm	ASTM D5185m	>30	0	3	0
Copper	ppm	ASTM D5185m	>30	15	15	9
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

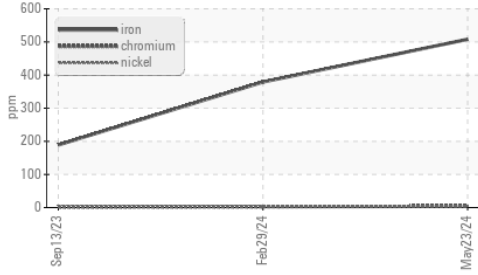
Silicon	ppm	ASTM D5185m	>50	26	24	26
Potassium	ppm	ASTM D5185m	>20	10	8	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

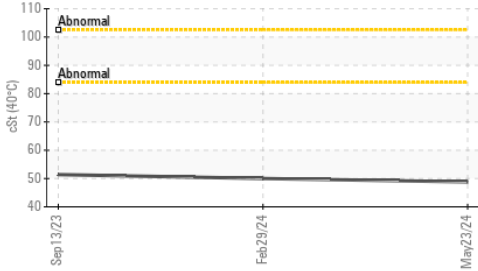
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		9	10	9
Boron	ppm	ASTM D5185m		112	123	109
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		10	8	7
Manganese	ppm	ASTM D5185m		8	6	4
Magnesium	ppm	ASTM D5185m		<1	2	4
Calcium	ppm	ASTM D5185m		45	92	45
Phosphorus	ppm	ASTM D5185m		2171	2097	2426
Zinc	ppm	ASTM D5185m		95	85	79
Sulfur	ppm	ASTM D5185m		30668	24531	33179
Visc @ 40°C	cSt	ASTM D445		48.8	50.0	51.4

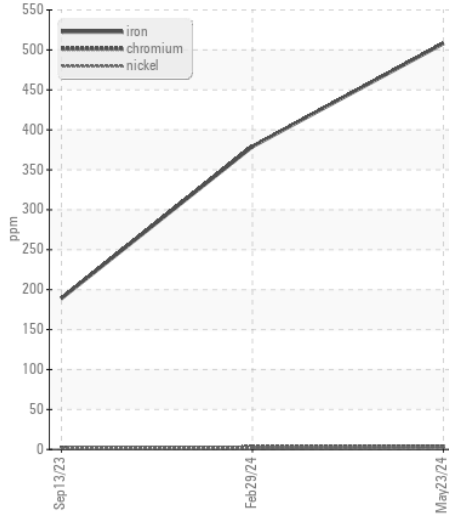
▲ Ferrous Alloys



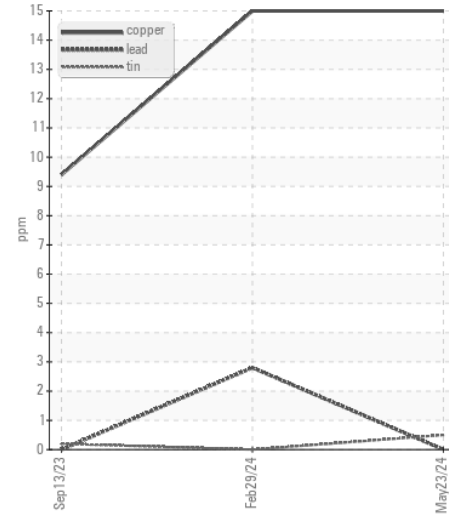
Viscosity @ 40°C



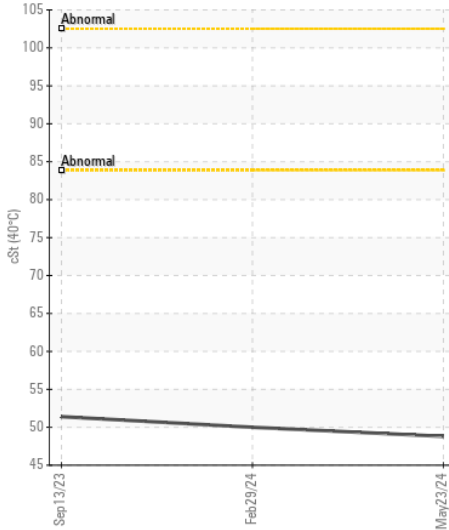
▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ASC0011307

Lab Number : 06195742

Unique Number : 11057865

Test Package : CONST

Received : 30 May 2024

Tested : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Doug Bogart

G S MATERIALS INC

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US 27216

Contact: KAREN NEWPORT

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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)