



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L45H 4122127
Component
Rear Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0006355	VCP421172	VCP367030
Sample Date		Client Info		24 Jan 2024	10 Apr 2023	29 Jun 2022
Machine Age	hrs	Client Info		3805	2452	1544
Oil Age	hrs	Client Info		805	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	4	46	46
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	0	2	1
Titanium	ppm	ASTM D5185m		0	<1	1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>30	2	2	2
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>120	<1	3	5
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

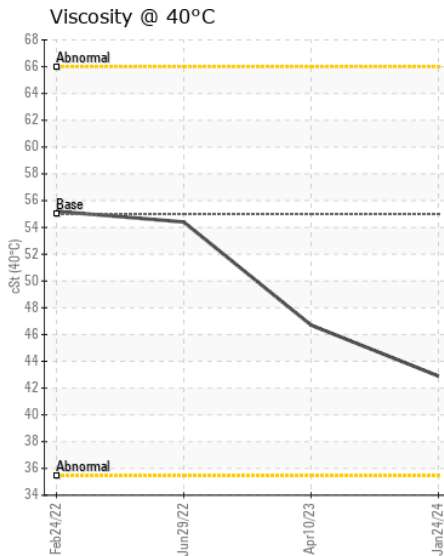
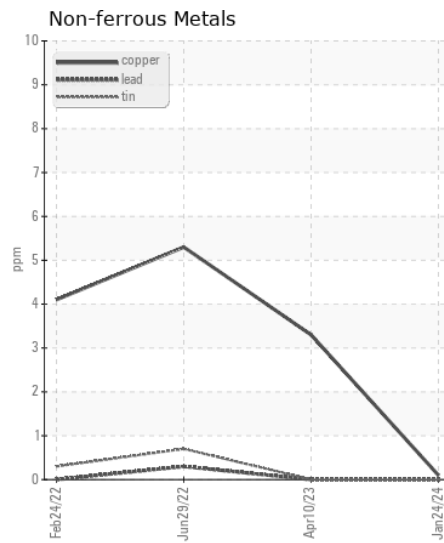
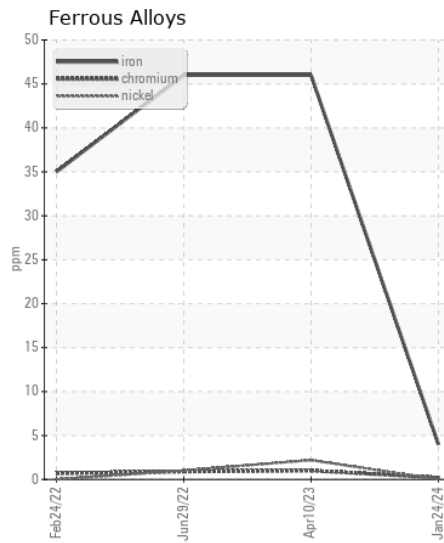
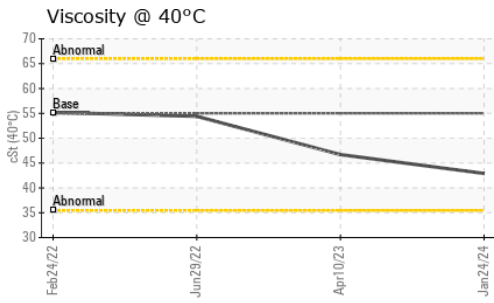
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	15	16	14
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER	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		0	8	14
Boron	ppm	ASTM D5185m		137	138	109
Barium	ppm	ASTM D5185m		<1	1	1
Molybdenum	ppm	ASTM D5185m		<1	3	<1
Manganese	ppm	ASTM D5185m		0	2	3
Magnesium	ppm	ASTM D5185m		18	18	11
Calcium	ppm	ASTM D5185m		3874	3956	3595
Phosphorus	ppm	ASTM D5185m		1260	1307	1153
Zinc	ppm	ASTM D5185m		1626	1632	1452
Sulfur	ppm	ASTM D5185m		4564	4553	4563
Visc @ 40°C	cSt	ASTM D445	55	42.9	46.7	54.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0006355 **Received** : 31 Jan 2024
Lab Number : 06076190 **Diagnosed** : 01 Feb 2024
Unique Number : 10858281 **Diagnostician** : Wes Davis
Test Package : CONST

113 - ASCENDUM MACHINERY INC - GARNER
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 Contact: TRENT BROADWELL
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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)