



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L150H 6956
Component
Rear Axle
Fluid
VOLVO WB 101 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011138	VCP414188	VCP424388
Sample Date		Client Info		25 Jun 2024	13 Jul 2023	27 Apr 2023
Machine Age	hrs	Client Info		6715	5558	5052
Oil Age	hrs	Client Info		1157	0	800
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	32	24	20
Chromium	ppm	ASTM D5185m	>20	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	<1	0
Lead	ppm	ASTM D5185m	>50	<1	<1	<1
Copper	ppm	ASTM D5185m	>120	3	0	2
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

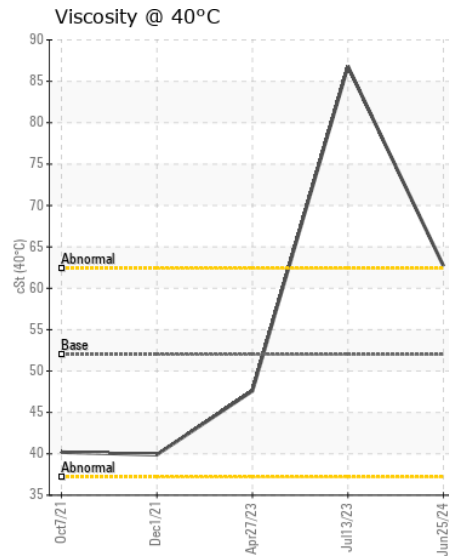
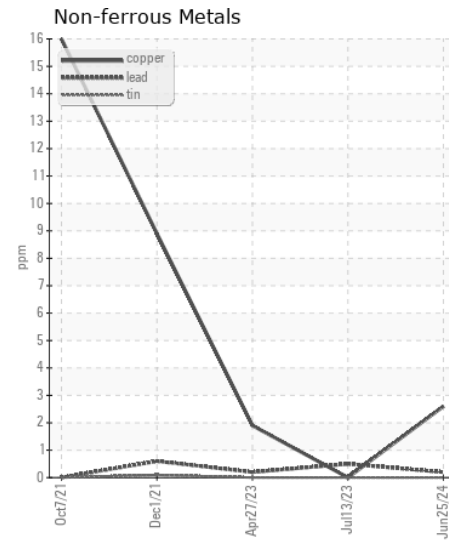
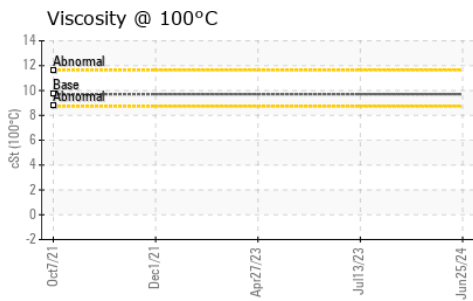
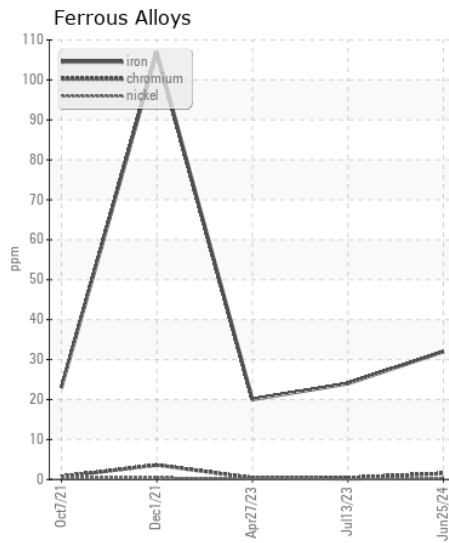
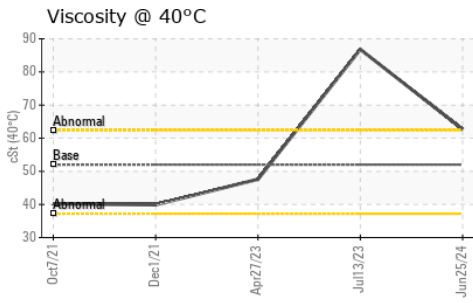
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	11	6	7
Potassium	ppm	ASTM D5185m	>20	2	<1	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		17	2	0
Boron	ppm	ASTM D5185m	100	144	133	69
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	2	13
Manganese	ppm	ASTM D5185m		6	<1	1
Magnesium	ppm	ASTM D5185m	0	12	39	138
Calcium	ppm	ASTM D5185m	3800	3768	2368	3034
Phosphorus	ppm	ASTM D5185m	1200	1077	1125	1139
Zinc	ppm	ASTM D5185m	1500	1483	1001	1350
Sulfur	ppm	ASTM D5185m	6500	4607	12330	4219
Visc @ 40°C	cSt	ASTM D445	52.0	62.7	86.8	47.6



Certificate L2367

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

Sample No. : ASC0011138

Lab Number : 06228173

Unique Number : 11111666

Test Package : CONST (Additional Tests: FT-IR, KV100)

Received : 03 Jul 2024

Tested : 09 Jul 2024

Diagnosed : 09 Jul 2024 - Jonathan Hester

117 - ASCENDUM MACHINERY INC - GREENVILLE

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Contact: ALLEN WILLIAMS

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T:

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)

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