



ASCENDUM

OIL ANALYSIS REPORT



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO L150H 2202 (S/N L150HV7017)

Component

Front Axle

Fluid

VOLVO WB 102 (--- GAL)

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

NORMAL

NORMAL

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010045	ASC0008790	ASC0006282
Sample Date		Client Info		23 Apr 2024	07 Mar 2024	10 Jan 2024
Machine Age	hrs	Client Info		7046	6579	6052
Oil Age	hrs	Client Info		3046	2579	2025
Filter Age	hrs	Client Info		1046	2579	2025
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

An increase in the iron level is noted. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	217	4	10
Chromium	ppm	ASTM D5185m	>20	4	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	2	2
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>120	27	0	0
Tin	ppm	ASTM D5185m	>20	<1	<1	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

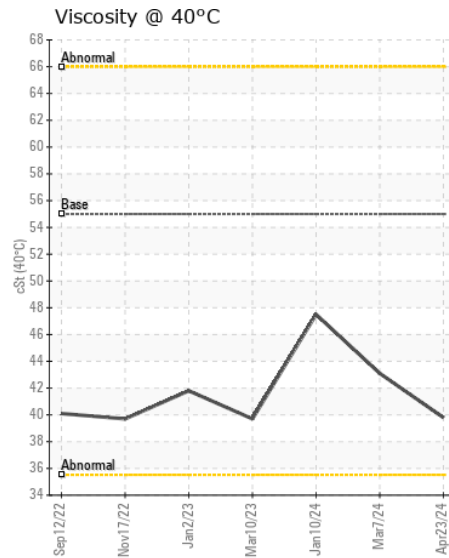
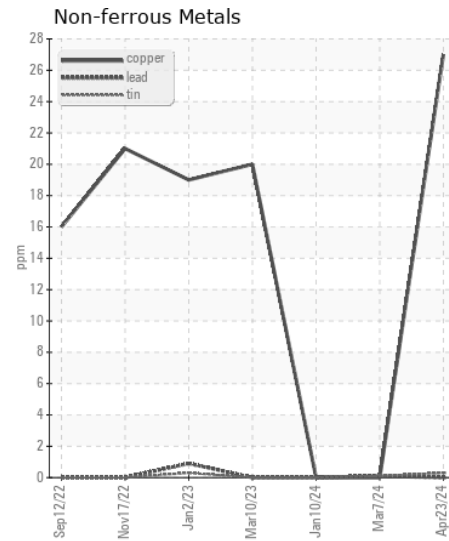
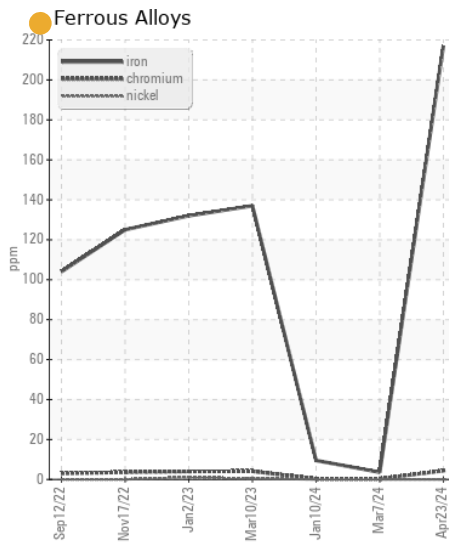
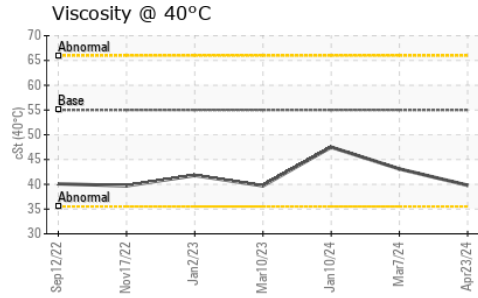
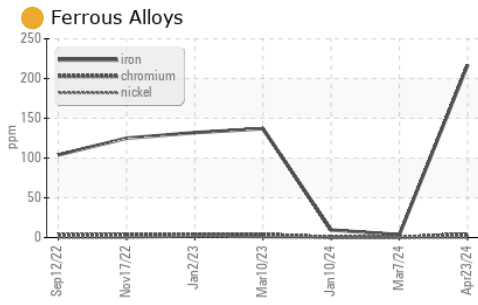
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	13	12	13
Potassium	ppm	ASTM D5185m	>20	<1	1	2
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		7	0	0
Boron	ppm	ASTM D5185m		125	129	152
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		6	0	<1
Manganese	ppm	ASTM D5185m		7	0	0
Magnesium	ppm	ASTM D5185m		12	17	17
Calcium	ppm	ASTM D5185m		3661	3875	3980
Phosphorus	ppm	ASTM D5185m		1352	1246	1391
Zinc	ppm	ASTM D5185m		1581	1568	1661
Sulfur	ppm	ASTM D5185m		5109	4730	6082
Visc @ 40°C	cSt	ASTM D445	55	39.8	43.1	47.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010045
Lab Number : 06160774
Unique Number : 10996197
Test Package : CONST
Received : 25 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 29 Apr 2024 - Don Baldrige

G S MATERIALS INC
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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)