



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO L150H 2197 (S/N L150HV6957)

Component

Transmission (Auto)

Fluid

VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011452	ASC0008716	ASC0006174
Sample Date		Client Info		15 May 2024	27 Mar 2024	25 Jan 2024
Machine Age	hrs	Client Info		8433	8219	7473
Oil Age	hrs	Client Info		500	5282	3473
Filter Age	hrs	Client Info		500	0	3473
Oil Changed		Client Info		Not Changed	N/A	Not Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	17	57	51
Chromium	ppm	ASTM D5185m	>3	0	<1	<1
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>5	<1	<1	2
Lead	ppm	ASTM D5185m	>3	<1	0	0
Copper	ppm	ASTM D5185m	>25	8	22	11
Tin	ppm	ASTM D5185m	>4	<1	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

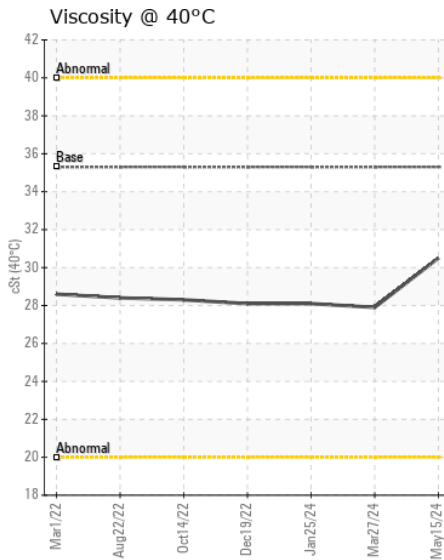
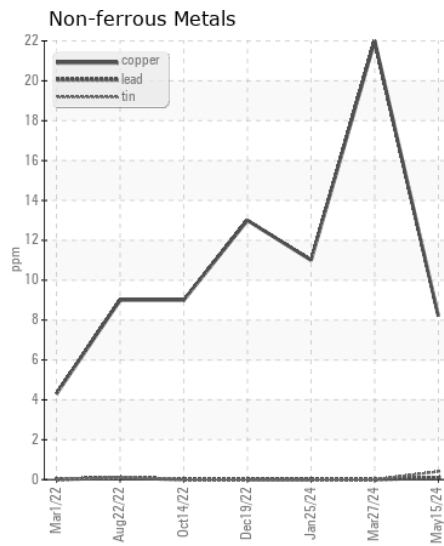
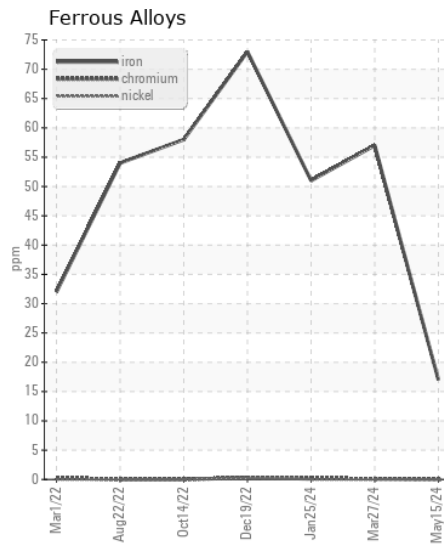
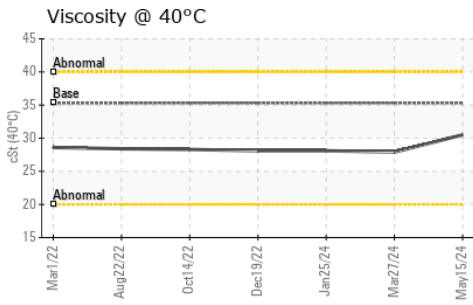
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	4	5	5
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	4	0
Boron	ppm	ASTM D5185m	187	98	86	80
Barium	ppm	ASTM D5185m	0.0	0	0	1
Molybdenum	ppm	ASTM D5185m	0.0	8	0	<1
Manganese	ppm	ASTM D5185m	0.0	<1	2	1
Magnesium	ppm	ASTM D5185m	6.8	85	4	4
Calcium	ppm	ASTM D5185m	215	262	80	77
Phosphorus	ppm	ASTM D5185m	445	447	198	179
Zinc	ppm	ASTM D5185m	56	117	15	10
Sulfur	ppm	ASTM D5185m	1336	2221	2046	2183
Visc @ 40°C	cSt	ASTM D445	35.3	30.5	27.9	28.1



Certificate L2367

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

Sample No. : ASC0011452

Lab Number : 06186599

Unique Number : 11043351

Test Package : CONST

Received : 21 May 2024

Tested : 22 May 2024

Diagnosed : 23 May 2024 - Jonathan Hester

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)