



ASCENDUM

OIL ANALYSIS REPORT



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO L150H 2202 (S/N L150HV7017)

Component

Transmission (Auto)

Fluid

VOLVO AT 102 (--- GAL)

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

NORMAL

NORMAL

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

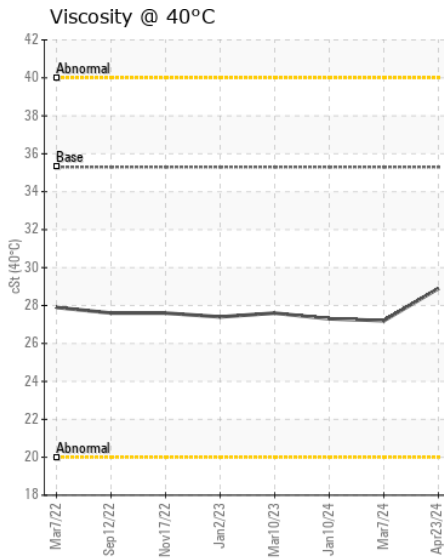
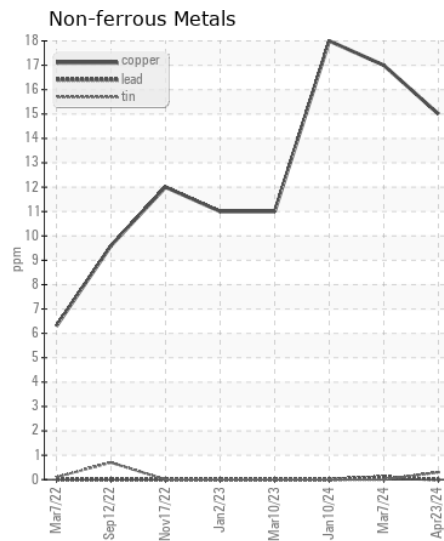
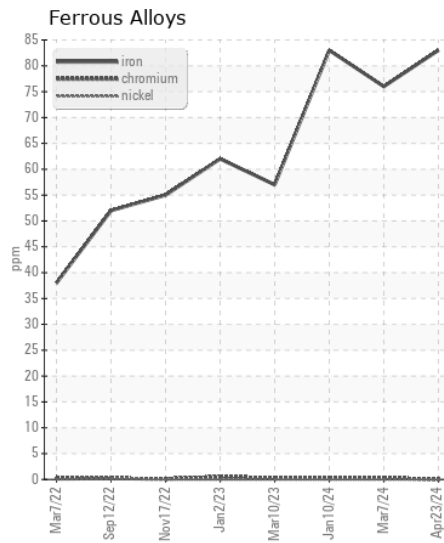
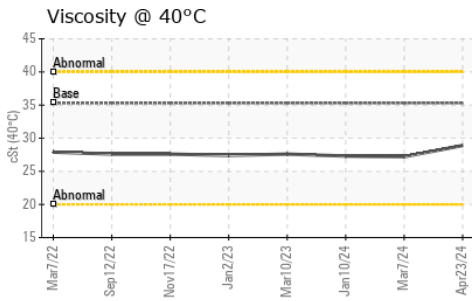
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010043	ASC0008796	ASC0006287
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	2052
Filter Age	hrs	Client Info		3046	2579	2052
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>300	83	76	83
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	2	2
Lead	ppm	ASTM D5185m	>3	0	<1	0
Copper	ppm	ASTM D5185m	>25	15	17	18
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

Silicon	ppm	ASTM D5185m	>20	10	10	10
Potassium	ppm	ASTM D5185m	>20	<1	2	3
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

Sodium	ppm	ASTM D5185m		5	5	<1
Boron	ppm	ASTM D5185m	187	60	61	73
Barium	ppm	ASTM D5185m	0.0	4	2	7
Molybdenum	ppm	ASTM D5185m	0.0	0	0	0
Manganese	ppm	ASTM D5185m	0.0	4	3	4
Magnesium	ppm	ASTM D5185m	6.8	3	2	0
Calcium	ppm	ASTM D5185m	215	114	81	79
Phosphorus	ppm	ASTM D5185m	445	204	193	238
Zinc	ppm	ASTM D5185m	56	34	21	0
Sulfur	ppm	ASTM D5185m	1336	1921	1858	1956
Visc @ 40°C	cSt	ASTM D445	35.3	28.9	27.2	27.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010043
Lab Number : 06160816
Unique Number : 10996239
Test Package : CONST

Received : 25 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 26 Apr 2024 - Wes Davis

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)