



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Ascendum Machinery 500HR CSA/Candor, NC
Machine Id
VOLVO L150H 2197 (S/N 6957)
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		ASC0002609	VCP387768	VCP390223
Sample Date		Client Info		25 Jan 2024	19 Dec 2022	14 Oct 2022
Machine Age	hrs	Client Info		7473	4536	3655
Oil Age	hrs	Client Info		3473	0	0
Filter Age	hrs	Client Info		3473	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	22	113	81
Chromium	ppm	ASTM D5185m	>20	<1	4	3
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	1	<1
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>120	<1	16	14
Tin	ppm	ASTM D5185m	>20	0	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

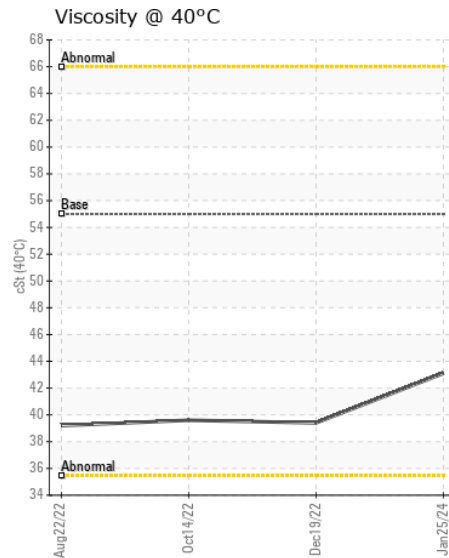
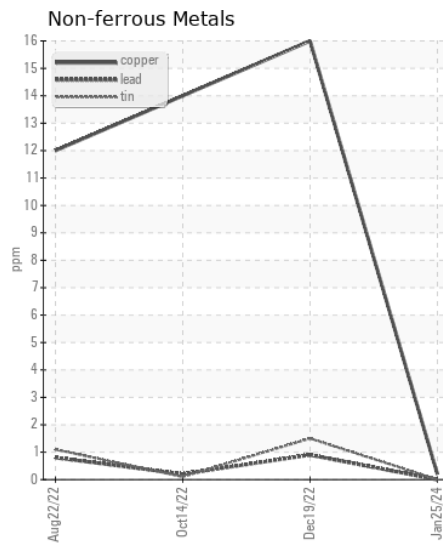
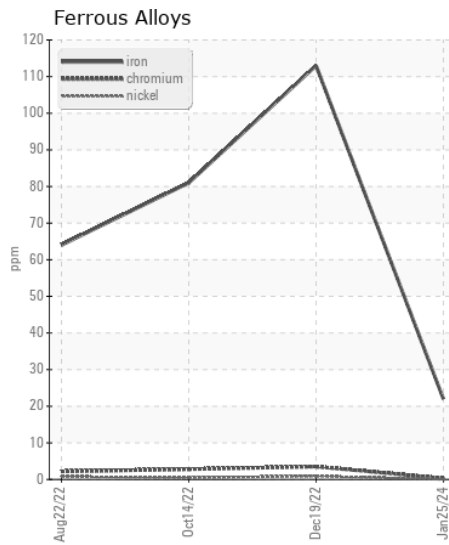
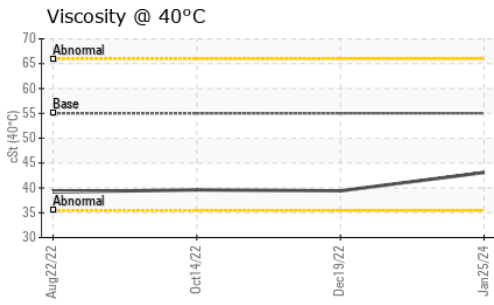
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	21	13	12
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	MODER
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	11	9
Boron	ppm	ASTM D5185m		137	125	125
Barium	ppm	ASTM D5185m		<1	0	2
Molybdenum	ppm	ASTM D5185m		<1	5	4
Manganese	ppm	ASTM D5185m		<1	7	6
Magnesium	ppm	ASTM D5185m		18	14	17
Calcium	ppm	ASTM D5185m		3850	3919	3819
Phosphorus	ppm	ASTM D5185m		1259	1203	1306
Zinc	ppm	ASTM D5185m		1600	1480	1600
Sulfur	ppm	ASTM D5185m		5935	4025	4926
Visc @ 40°C	cSt	ASTM D445	55	43.1	39.4	39.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0002609 **Received** : 31 Jan 2024
Lab Number : 06076185 **Diagnosed** : 01 Feb 2024
Unique Number : 10858276 **Diagnostician** : Wes Davis
Test Package : CONST

G S MATERIALS INC
 PO BOX 1335
 BURLINGTON, NC
 US 27216

Contact: KAREN NEWPORT
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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)