



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L150H 6838
Component
Front 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		ASC0006308	VCP408997	VCP399793
Sample Date		Client Info		03 Jan 2024	20 Jun 2023	05 Jan 2023
Machine Age	hrs	Client Info		6892	6554	5577
Oil Age	hrs	Client Info		4147	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	38	94	46
Chromium	ppm	ASTM D5185m	>20	1	2	<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	<1	0
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	4	12	9
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

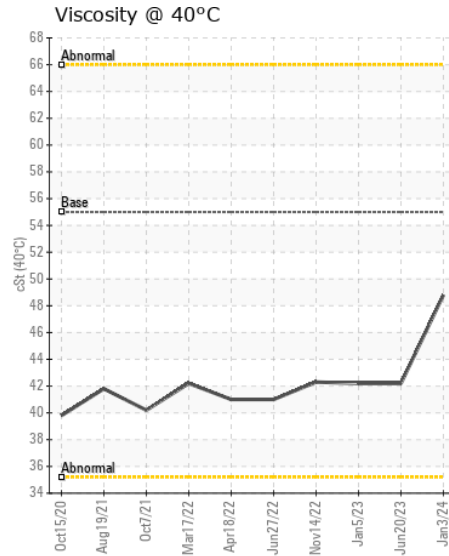
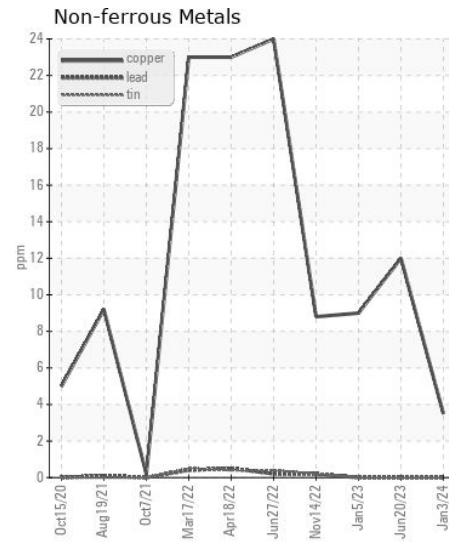
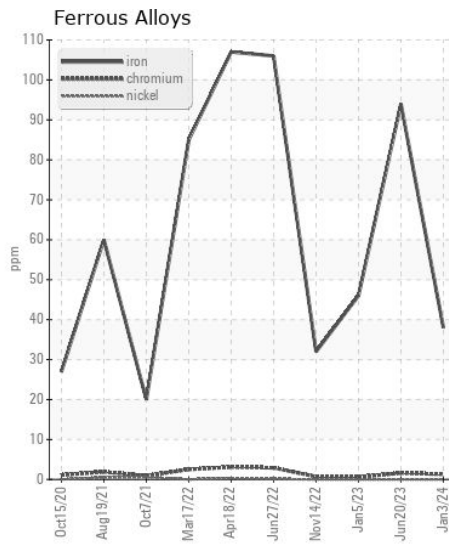
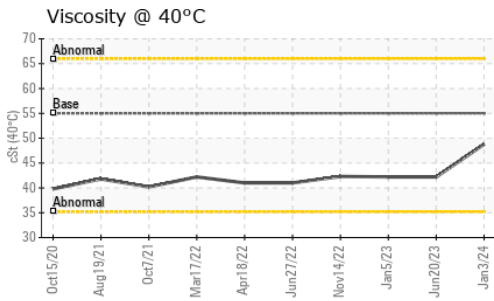
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	11	12	9
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	LIGHT	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		3	5	1
Boron	ppm	ASTM D5185m		122	144	121
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		7	<1	0
Manganese	ppm	ASTM D5185m		3	3	1
Magnesium	ppm	ASTM D5185m		77	18	13
Calcium	ppm	ASTM D5185m		3330	4148	3946
Phosphorus	ppm	ASTM D5185m		1189	1356	1269
Zinc	ppm	ASTM D5185m		1433	1649	1572
Sulfur	ppm	ASTM D5185m		3352	5160	3912
Visc @ 40°C	cSt	ASTM D445	55	48.8	42.2	42.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0006308 **Recieved** : 11 Jan 2024
Lab Number : 06058435 **Diagnosed** : 14 Jan 2024
Unique Number : 10829817 **Diagnostician** : Don Baldrige
Test Package : CONST

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: ALLEN WILLIAMS
 allen.williams@ascendummachinery.com
 T:
 F: (704)494-8197

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)