



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Ascendum Machinery/500 Hour CSA
Machine Id
VOLVO L150H 2328 (S/N L150HV7200)
Component
Rear Axle
Fluid
TRANSAXLE OIL SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0011420	ASC0008949	VCP414043
Sample Date		Client Info		17 May 2024	31 Jan 2024	06 Oct 2023
Machine Age	hrs	Client Info		4103	3550	2070
Oil Age	hrs	Client Info		3103	2550	0
Filter Age	hrs	Client Info		2103	2550	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	142	2	91
Chromium	ppm	ASTM D5185m	>20	2	<1	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	2	1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>120	2	0	1
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

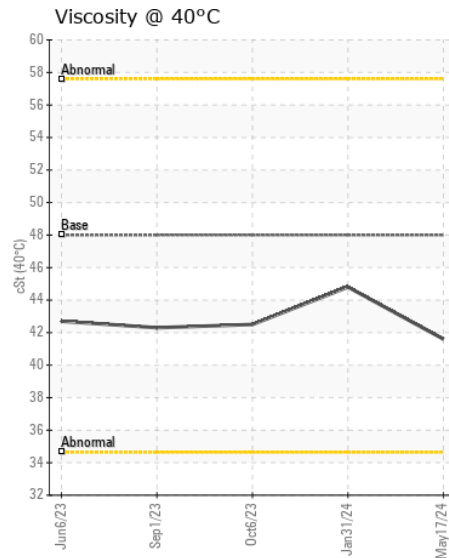
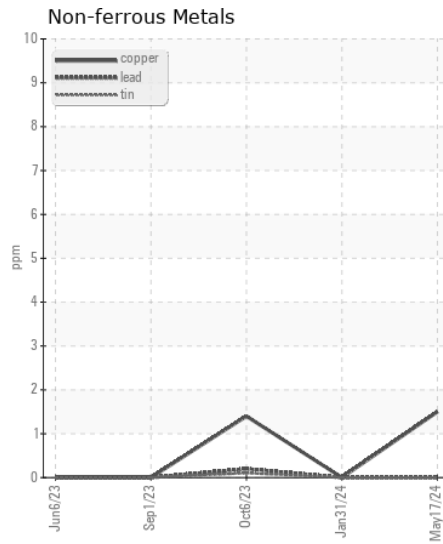
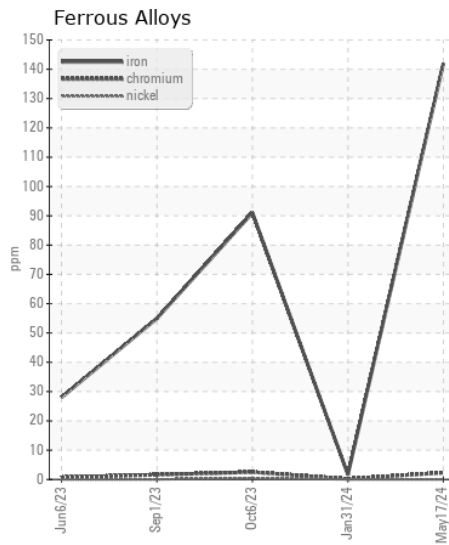
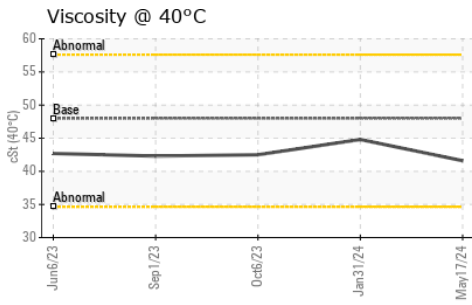
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	12	12	12
Potassium	ppm	ASTM D5185m	>20	0	2	<1
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		3	0	2
Boron	ppm	ASTM D5185m	160	126	134	124
Barium	ppm	ASTM D5185m	10	0	5	0
Molybdenum	ppm	ASTM D5185m	25	4	0	4
Manganese	ppm	ASTM D5185m		4	0	4
Magnesium	ppm	ASTM D5185m	12	17	18	23
Calcium	ppm	ASTM D5185m	3750	3604	3924	3607
Phosphorus	ppm	ASTM D5185m	1200	1260	1085	1228
Zinc	ppm	ASTM D5185m	1500	1424	1628	1553
Sulfur	ppm	ASTM D5185m	6000	5063	3780	3704
Visc @ 40°C	cSt	ASTM D445	48	41.6	44.8	42.5



Certificate L2367

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

Sample No. : ASC0011420

Lab Number : 06186571

Unique Number : 11043323

Test Package : CONST

Received : 21 May 2024

Tested : 22 May 2024

Diagnosed : 22 May 2024 - Wes Davis

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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)