



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Ascendum Machinery
Machine Id
VOLVO L120H RL84 (S/N L120HV633470)
Component
Front 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		ASC0011430	ASC0008545	ASC0006198
Sample Date		Client Info		10 May 2024	15 Feb 2024	06 Jan 2024
Machine Age	hrs	Client Info		1498	971	717
Oil Age	hrs	Client Info		527	971	717
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	71	227	151
Chromium	ppm	ASTM D5185m	>20	<1	6	4
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	1	1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>120	0	1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	<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

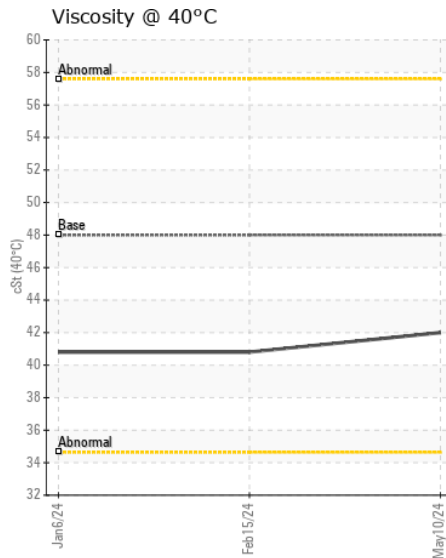
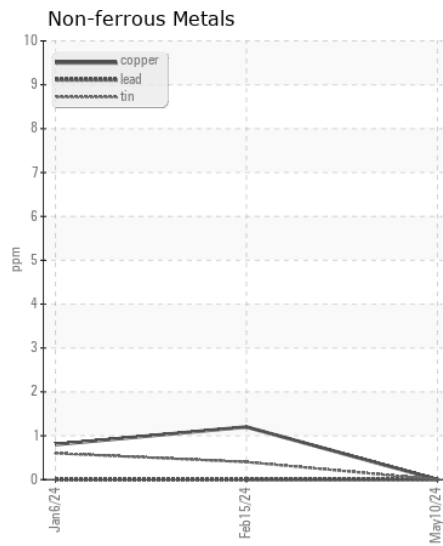
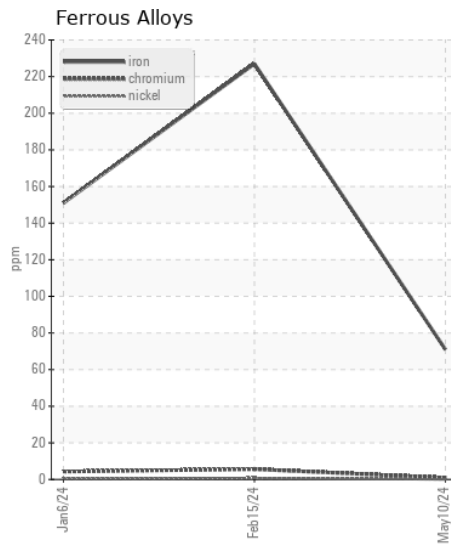
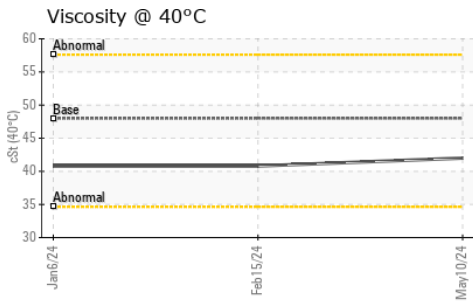
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	12	20	17
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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		2	10	10
Boron	ppm	ASTM D5185m	160	145	121	121
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	25	2	15	12
Manganese	ppm	ASTM D5185m		3	11	10
Magnesium	ppm	ASTM D5185m	12	13	0	15
Calcium	ppm	ASTM D5185m	3750	3948	3728	3862
Phosphorus	ppm	ASTM D5185m	1200	1413	1297	1372
Zinc	ppm	ASTM D5185m	1500	1649	1587	1646
Sulfur	ppm	ASTM D5185m	6000	4905	3640	3783
Visc @ 40°C	cSt	ASTM D445	48	42.0	40.8	40.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011430
Lab Number : 06194310
Unique Number : 11056433
Test Package : CONST
Received : 29 May 2024
Tested : 31 May 2024
Diagnosed : 31 May 2024 - Wes Davis

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 US 27409

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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)