



ASCENDUM

OIL ANALYSIS REPORT



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO L150H 2263 (S/N L150HV7093)

Component

Rear Axle

Fluid

TRANSAXLE OIL SAE 75W80 (--- GAL)

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

NORMAL

NORMAL

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TRANSAXLE OIL SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010006	VCP436533	ASC0006435
Sample Date		Client Info		17 Apr 2024	19 Feb 2024	13 Dec 2023
Machine Age	hrs	Client Info		4005	3554	3041
Oil Age	hrs	Client Info		3005	0	2041
Filter Age	hrs	Client Info		2005	0	2041
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	111	2	14
Chromium	ppm	ASTM D5185m	>20	3	<1	0
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	2	<1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>120	6	0	<1
Tin	ppm	ASTM D5185m	>20	0	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

CONTAMINATION

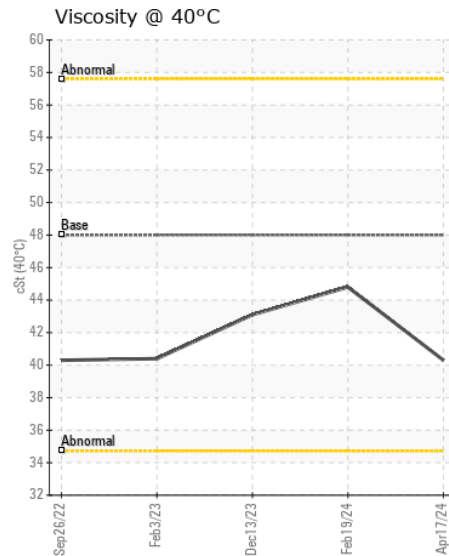
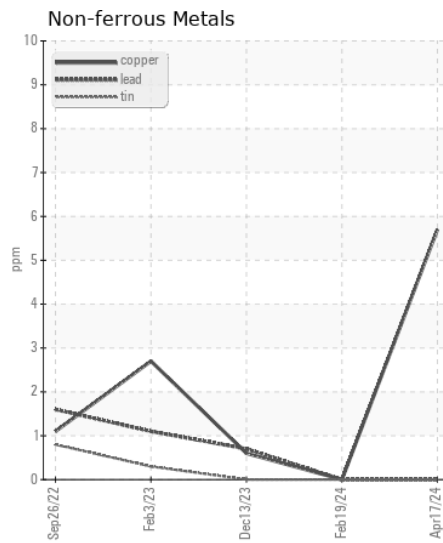
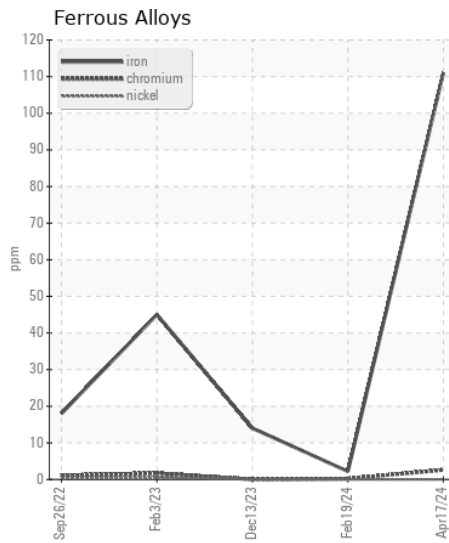
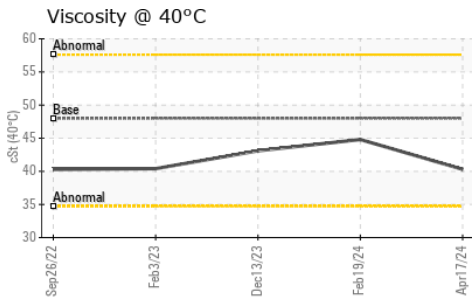
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	13	11	13
Potassium	ppm	ASTM D5185m	>20	<1	2	0
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		9	0	2
Boron	ppm	ASTM D5185m	160	126	142	143
Barium	ppm	ASTM D5185m	10	0	<1	0
Molybdenum	ppm	ASTM D5185m	25	2	0	<1
Manganese	ppm	ASTM D5185m		5	0	1
Magnesium	ppm	ASTM D5185m	12	13	17	19
Calcium	ppm	ASTM D5185m	3750	3948	3744	3834
Phosphorus	ppm	ASTM D5185m	1200	1384	1126	1317
Zinc	ppm	ASTM D5185m	1500	1662	1619	1532
Sulfur	ppm	ASTM D5185m	6000	4903	3856	4212
Visc @ 40°C	cSt	ASTM D445	48	40.3	44.8	43.1



Certificate L2367

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

Sample No. : ASC0010006

Lab Number : 06158133

Unique Number : 10993556

Test Package : CONST

Received : 23 Apr 2024

Tested : 24 Apr 2024

Diagnosed : 24 Apr 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)