



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
Machine Id
VOLVO L90H 626962
Component
Front Axle
Fluid
VOLVO WB 102 (--- GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007808	ASC0005064	ASC0001383
Sample Date		Client Info		14 Mar 2024	05 Dec 2023	13 Sep 2023
Machine Age	hrs	Client Info		1456	951	493
Oil Age	hrs	Client Info		505	951	493
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	7	51	35
Chromium	ppm	ASTM D5185m	>10	0	2	2
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	1	1
Lead	ppm	ASTM D5185m	>4	0	0	0
Copper	ppm	ASTM D5185m	>200	0	2	<1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

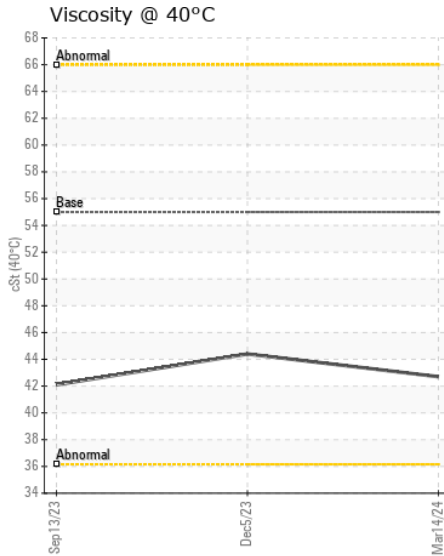
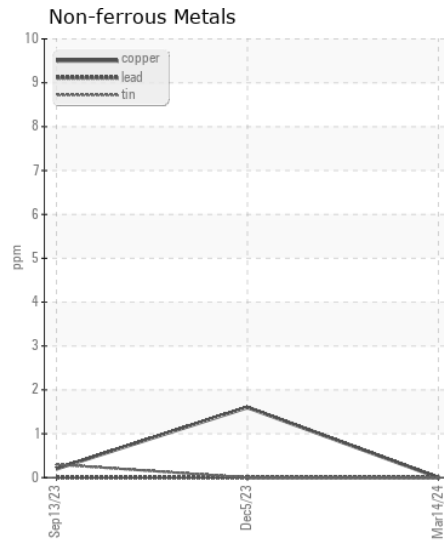
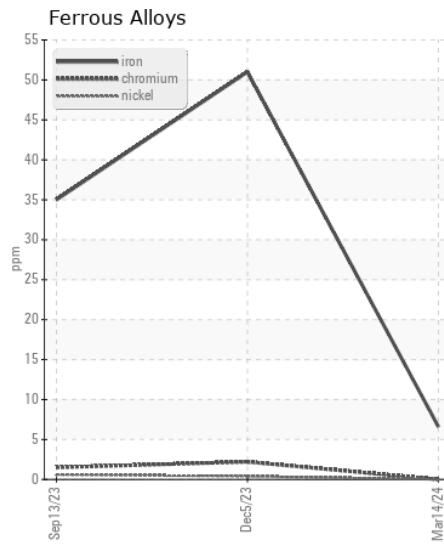
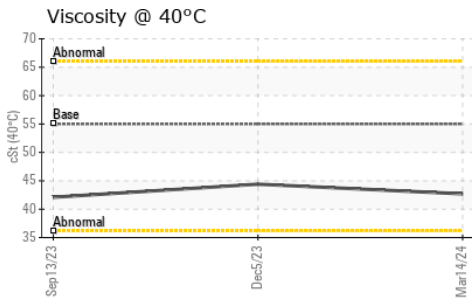
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	20	18
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		<1	3	3
Boron	ppm	ASTM D5185m		115	118	132
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	10	7
Manganese	ppm	ASTM D5185m		<1	8	5
Magnesium	ppm	ASTM D5185m		8	13	14
Calcium	ppm	ASTM D5185m		3941	3829	4071
Phosphorus	ppm	ASTM D5185m		1282	1323	1368
Zinc	ppm	ASTM D5185m		1609	1635	1649
Sulfur	ppm	ASTM D5185m		4328	3932	5323
Visc @ 40°C	cSt	ASTM D445	55	42.7	44.4	42.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0007808
Lab Number : 06125219
Unique Number : 10939370
Test Package : CONST

Received : 21 Mar 2024
Tested : 24 Mar 2024
Diagnosed : 24 Mar 2024 - Wes Davis

IAA - INSURANCE AUTO AUCTIONS - OAK BROOK
 701 HARGER RD, SUITE 201
 OAK BROOK, IL
 US 60523
 Contact: Service Manager

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)

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