



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
Machine Id
VOLVO L90H 626713
Component
Transmission (Auto)
Fluid
VOLVO AT 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		ASC0001964	ASC0000773	ASC0000129
Sample Date		Client Info		04 Jan 2024	22 Sep 2023	08 Jun 2023
Machine Age	hrs	Client Info		1499	989	489
Oil Age	hrs	Client Info		1499	989	489
Filter Age	hrs	Client Info		0	989	489
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	74	58	50
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	<1	0
Lead	ppm	ASTM D5185m	>50	<1	<1	<1
Copper	ppm	ASTM D5185m	>225	10	10	6
Tin	ppm	ASTM D5185m	>10	<1	<1	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

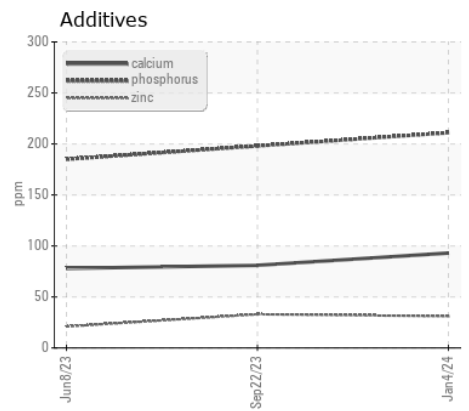
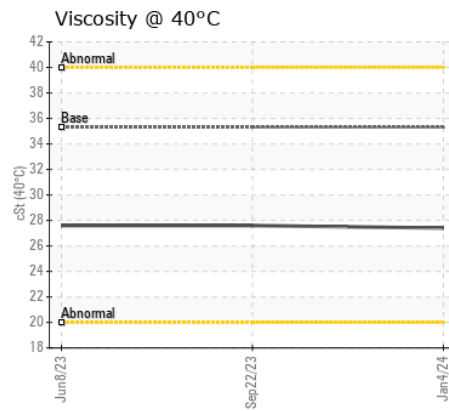
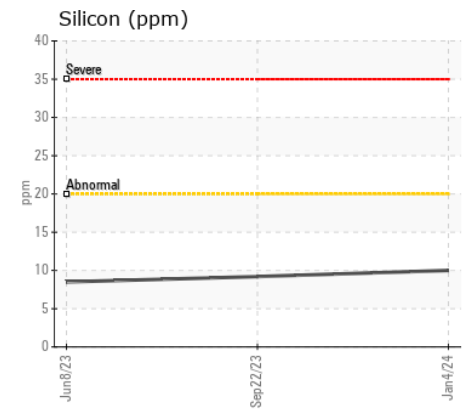
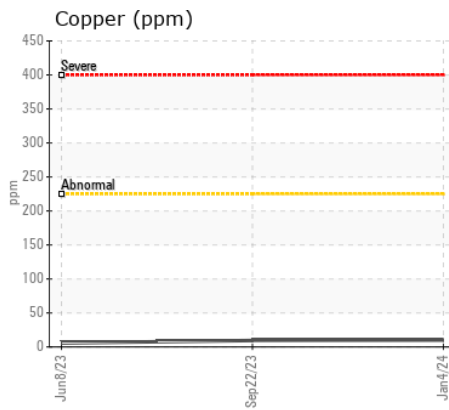
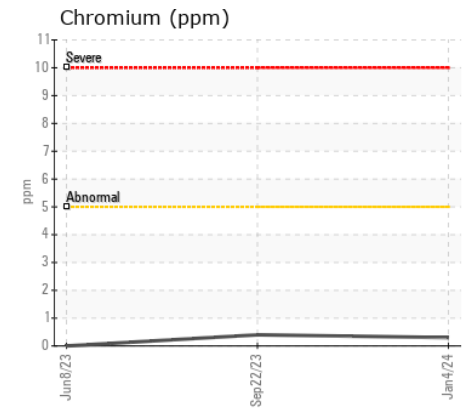
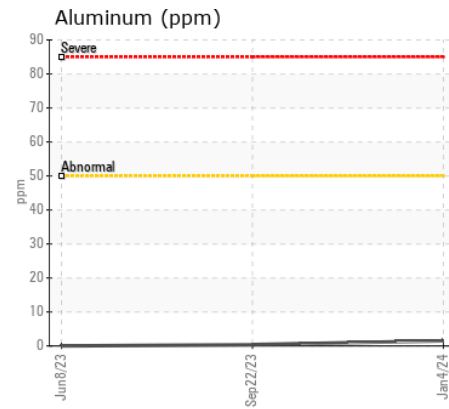
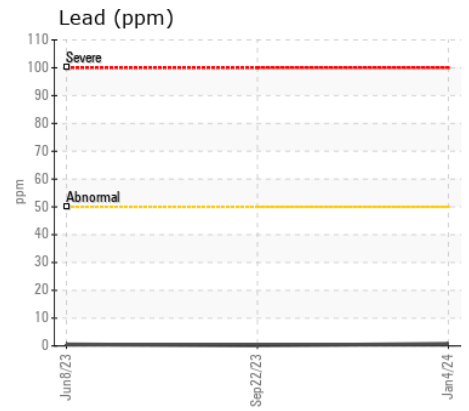
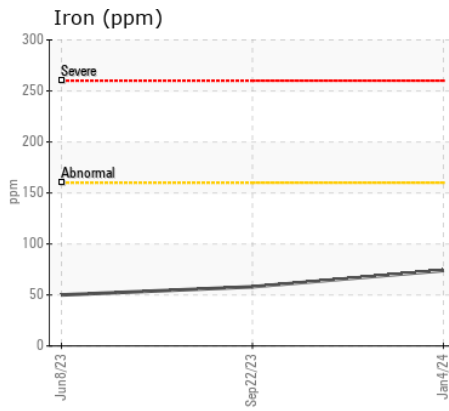
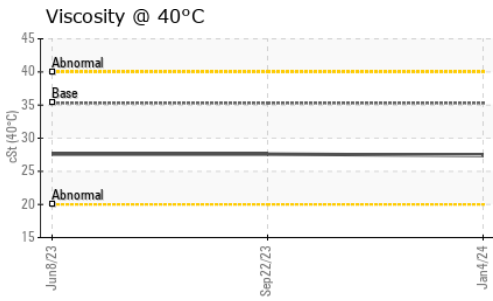
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	10	9	8
Potassium	ppm	ASTM D5185m	>20	3	4	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	7	1
Boron	ppm	ASTM D5185m	187	81	77	87
Barium	ppm	ASTM D5185m	0.0	4	1	3
Molybdenum	ppm	ASTM D5185m	0.0	<1	1	<1
Manganese	ppm	ASTM D5185m	0.0	9	8	7
Magnesium	ppm	ASTM D5185m	6.8	2	6	2
Calcium	ppm	ASTM D5185m	215	93	81	78
Phosphorus	ppm	ASTM D5185m	445	211	198	185
Zinc	ppm	ASTM D5185m	56	31	33	21
Sulfur	ppm	ASTM D5185m	1336	1807	1752	2049
Visc @ 40°C	cSt	ASTM D445	35.3	27.4	27.6	27.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0001964 **Received** : 12 Jan 2024
Lab Number : 06059705 **Diagnosed** : 16 Jan 2024
Unique Number : 10831087 **Diagnostician** : Wes Davis
Test Package : MOBCE

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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