



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L90H 626875
Component
Front Axle
Fluid
VOLVO WB 102 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0004473	ASC0006015	---
Sample Date		Client Info		06 May 2024	23 Jan 2024	---
Machine Age	hrs	Client Info		1822	656	---
Oil Age	hrs	Client Info		1822	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	24	58	---
Chromium	ppm	ASTM D5185m	>10	<1	3	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>15	1	1	---
Lead	ppm	ASTM D5185m	>4	<1	<1	---
Copper	ppm	ASTM D5185m	>200	0	0	---
Tin	ppm	ASTM D5185m	>15	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

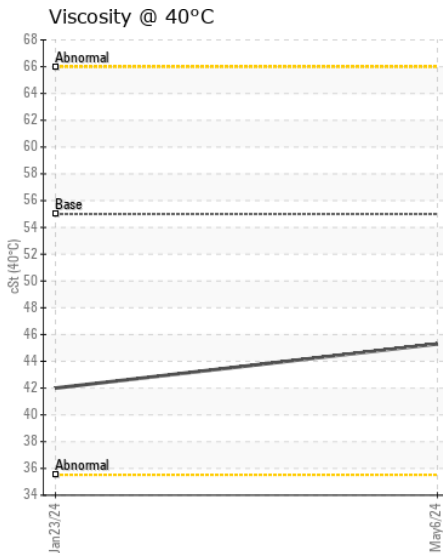
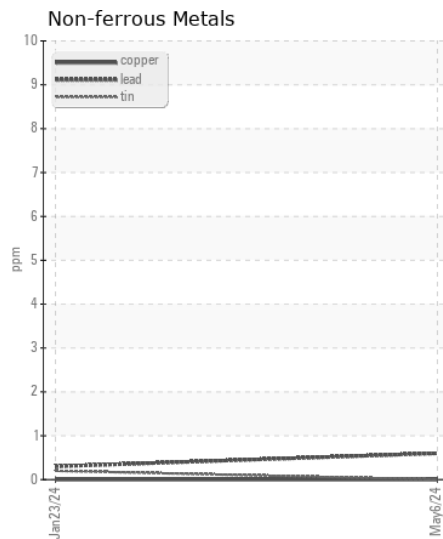
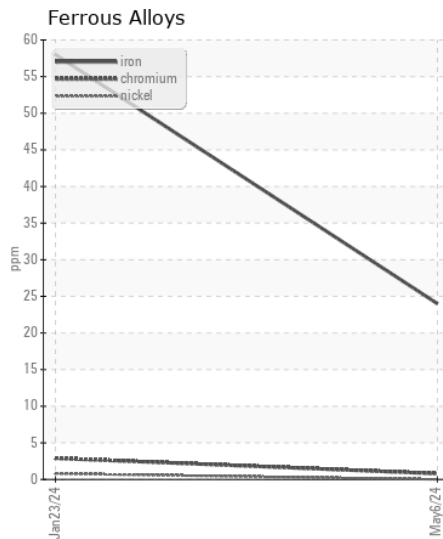
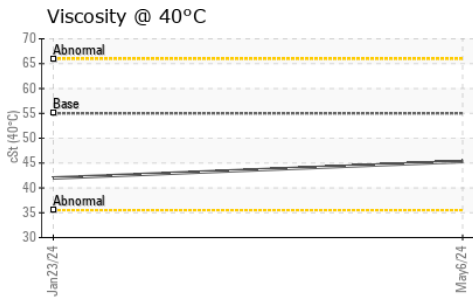
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	18	---
Potassium	ppm	ASTM D5185m	>20	1	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	5	---
Boron	ppm	ASTM D5185m		132	131	---
Barium	ppm	ASTM D5185m		0	1	---
Molybdenum	ppm	ASTM D5185m		3	13	---
Manganese	ppm	ASTM D5185m		3	11	---
Magnesium	ppm	ASTM D5185m		14	15	---
Calcium	ppm	ASTM D5185m		3916	3531	---
Phosphorus	ppm	ASTM D5185m		1296	1163	---
Zinc	ppm	ASTM D5185m		1595	1447	---
Sulfur	ppm	ASTM D5185m		4182	3232	---
Visc @ 40°C	cSt	ASTM D445	55	45.3	42.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0004473
Lab Number : 06174292
Unique Number : 11020345
Test Package : CONST

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 10 May 2024 - Wes Davis

520 - ASCENDUM MACHINERY INC - KNOXVILLE
 5730 RUTLEDGE PIKE
 KNOXVILLE, TN
 US 37924

Contact: BRANDON GRANT
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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)

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