



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L90H 626131
Component
Rear Axle
Fluid
VOLVO WET BRAKE TRANSAXLE OIL (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 1st 1000 hour service)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0867654	---	---
Sample Date		Client Info		17 Jan 2024	---	---
Machine Age	hrs	Client Info		1137	---	---
Oil Age	hrs	Client Info		500	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	53	---	---
Chromium	ppm	ASTM D5185m	>10	2	---	---
Nickel	ppm	ASTM D5185m	>4	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>15	<1	---	---
Lead	ppm	ASTM D5185m	>4	1	---	---
Copper	ppm	ASTM D5185m	>200	27	---	---
Tin	ppm	ASTM D5185m	>15	3	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

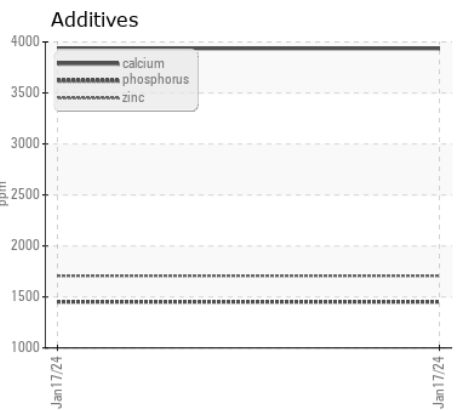
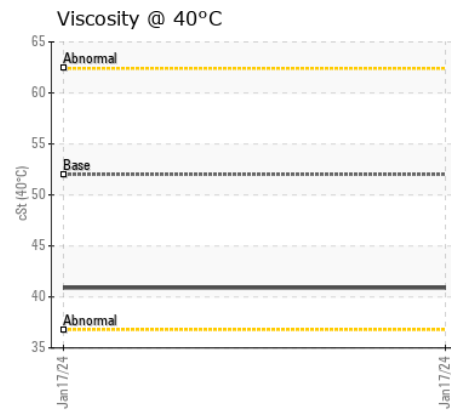
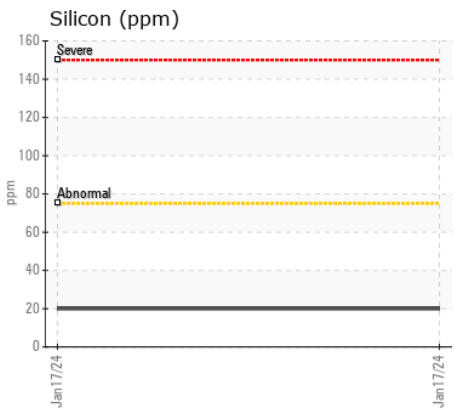
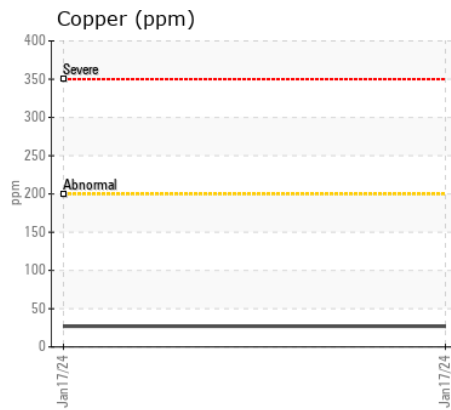
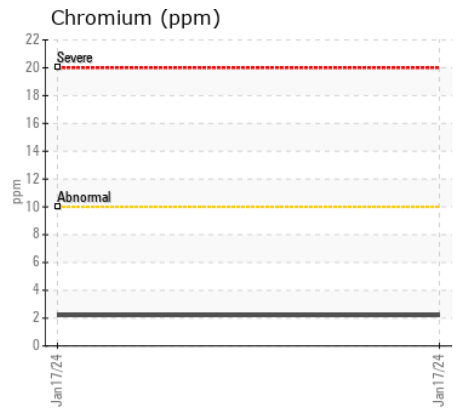
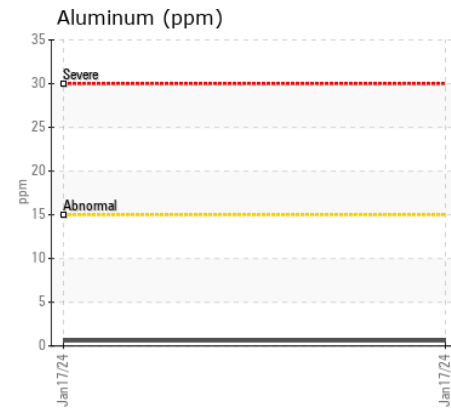
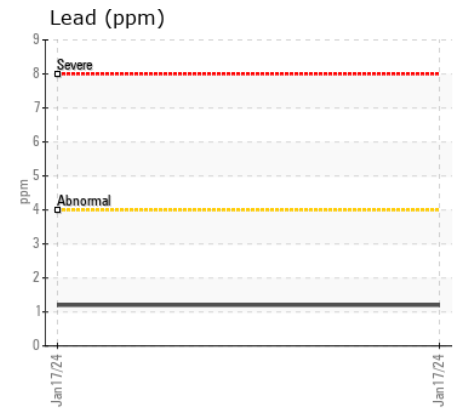
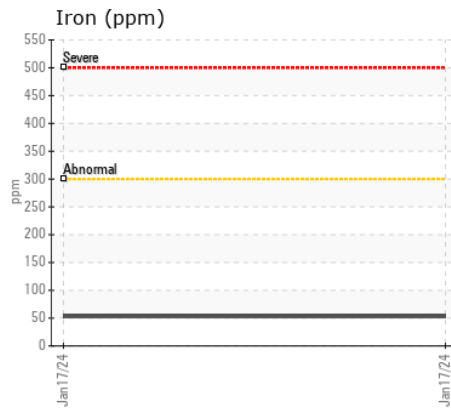
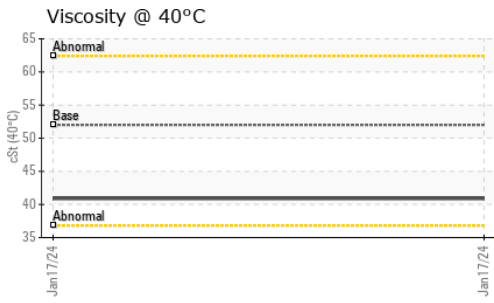
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	20	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		11	---	---
Boron	ppm	ASTM D5185m	100	133	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	0	1	---	---
Manganese	ppm	ASTM D5185m		7	---	---
Magnesium	ppm	ASTM D5185m	0	15	---	---
Calcium	ppm	ASTM D5185m	3800	3936	---	---
Phosphorus	ppm	ASTM D5185m	1200	1452	---	---
Zinc	ppm	ASTM D5185m	1500	1707	---	---
Sulfur	ppm	ASTM D5185m	6500	4513	---	---
Visc @ 40°C	cSt	ASTM D445	52.0	40.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0867654 **Received** : 18 Jan 2024
Lab Number : 06065207 **Diagnosed** : 22 Jan 2024
Unique Number : 10836589 **Diagnostician** : Sean Felton
Test Package : MOBCE

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 8450 QUARRY ROAD
 MANASSAS, VA
 US 20110
 Contact: DARRELL ANDES
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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)