



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L90H 625035
Component
Front Axle
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP444261	VCP395993	---
Sample Date		Client Info		15 Feb 2024	30 Jan 2023	---
Machine Age	hrs	Client Info		3984	3010	---
Oil Age	hrs	Client Info		0	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	78	64	---
Chromium	ppm	ASTM D5185m	>10	2	2	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	3	---
Aluminum	ppm	ASTM D5185m	>15	1	<1	---
Lead	ppm	ASTM D5185m	>4	1	1	---
Copper	ppm	ASTM D5185m	>200	0	<1	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

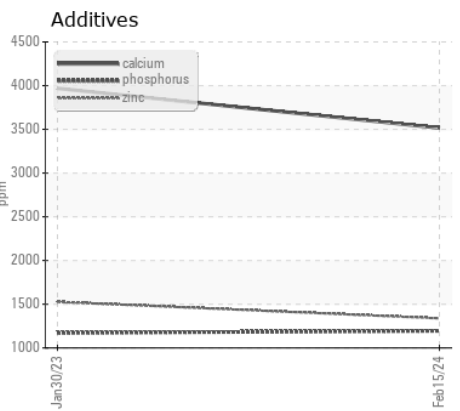
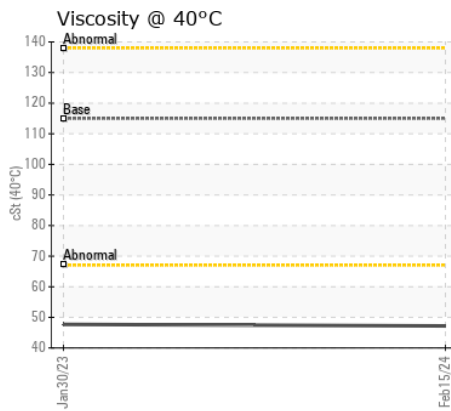
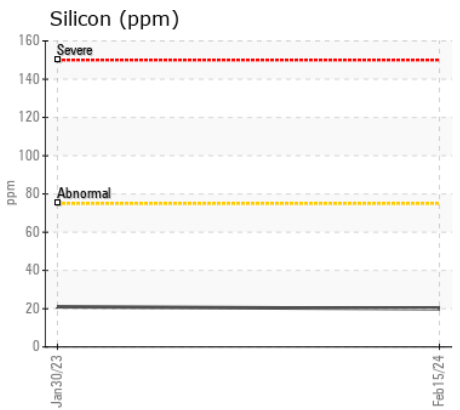
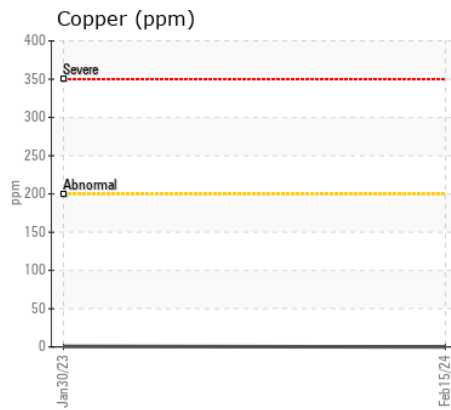
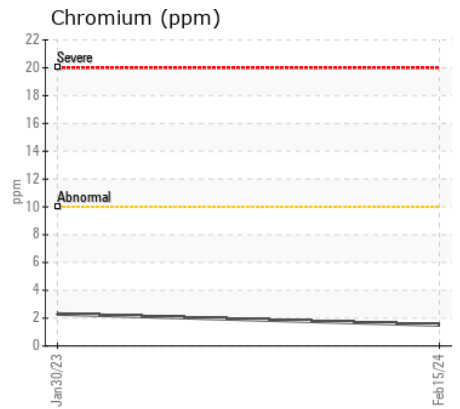
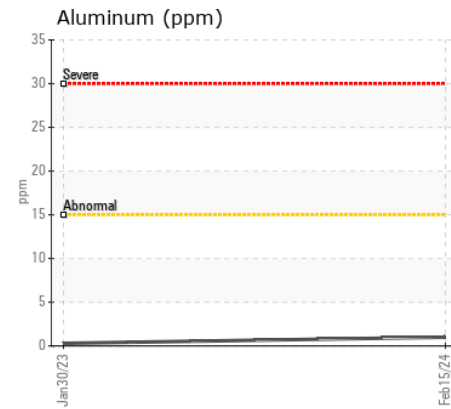
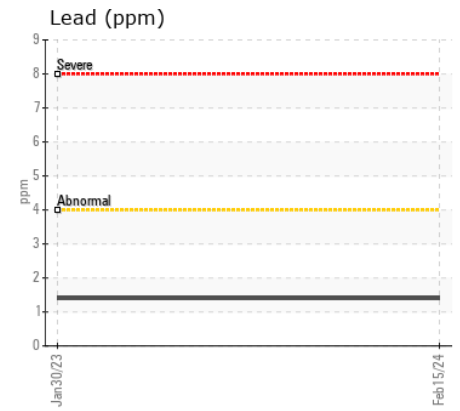
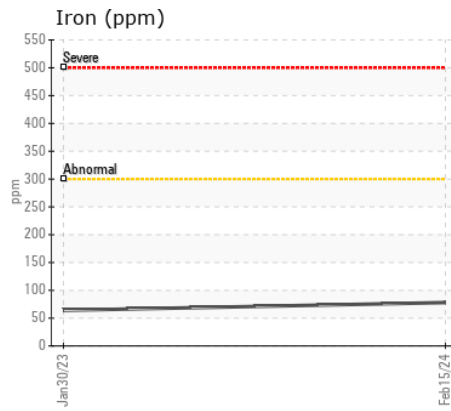
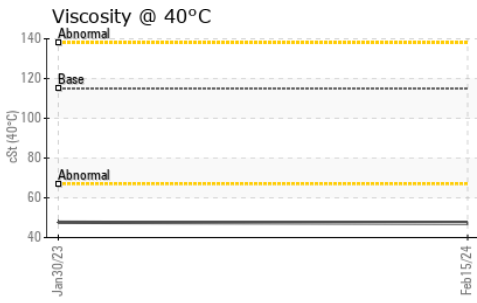
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	20	21	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
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	>158	4	3	---
Boron	ppm	ASTM D5185m	250	121	138	---
Barium	ppm	ASTM D5185m	10	0	0	---
Molybdenum	ppm	ASTM D5185m	100	3	4	---
Manganese	ppm	ASTM D5185m		5	5	---
Magnesium	ppm	ASTM D5185m	450	11	19	---
Calcium	ppm	ASTM D5185m	3000	3516	3969	---
Phosphorus	ppm	ASTM D5185m	1150	1195	1172	---
Zinc	ppm	ASTM D5185m	1350	1338	1527	---
Sulfur	ppm	ASTM D5185m	4250	4218	5036	---
Visc @ 40°C	cSt	ASTM D445	115	47.2	47.7	---



Certificate L2367

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

Sample No. : VCP444261

Lab Number : 06102603

Unique Number : 10900833

Test Package : MOBCE

Received : 27 Feb 2024

Tested : 28 Feb 2024

Diagnosed : 29 Feb 2024 - Don Baldrige

RIPA AND ASSOCIATES

10149 FISHER AVENUE

TAMPA, FL

US 33619

Contact: PM Services

PMServices@ripaconstruction.com

T:

F:

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)