



THE G. W. VAN KEPPEL CO.
Construction Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L90H 31526 (S/N 625492)
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VKC0000992	VKC0000687	---
Sample Date		Client Info		12 Apr 2024	16 Jun 2023	---
Machine Age	hrs	Client Info		7243	5182	---
Oil Age	hrs	Client Info		0	1000	---
Filter Age	hrs	Client Info		0	1000	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	84	▲ 192	---
Chromium	ppm	ASTM D5185m	>5	<1	1	---
Nickel	ppm	ASTM D5185m	>5	<1	1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>5	<1	0	---
Aluminum	ppm	ASTM D5185m	>50	2	4	---
Lead	ppm	ASTM D5185m	>50	<1	2	---
Copper	ppm	ASTM D5185m	>225	8	13	---
Tin	ppm	ASTM D5185m	>10	<1	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

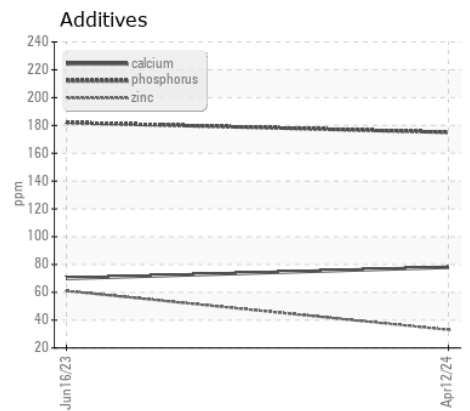
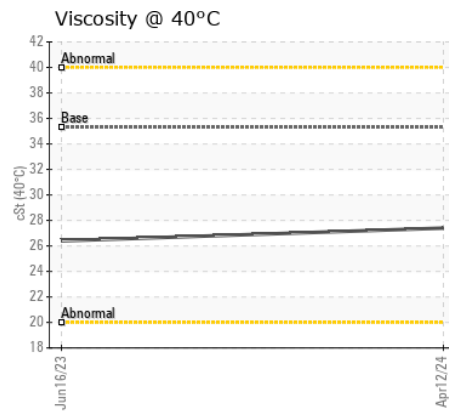
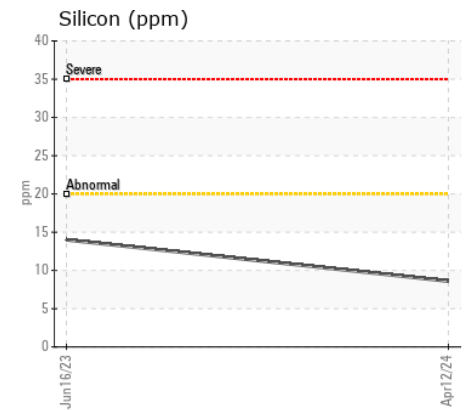
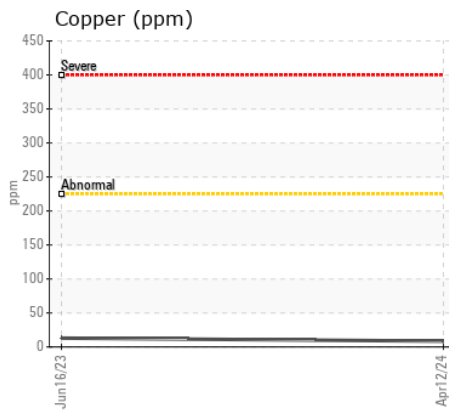
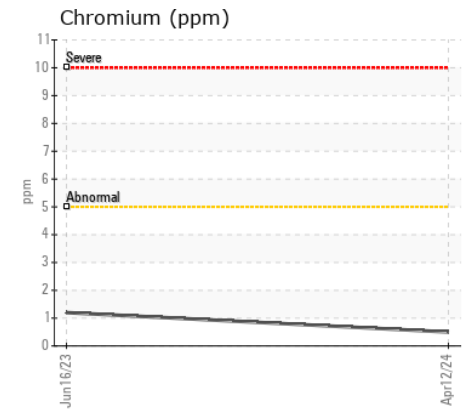
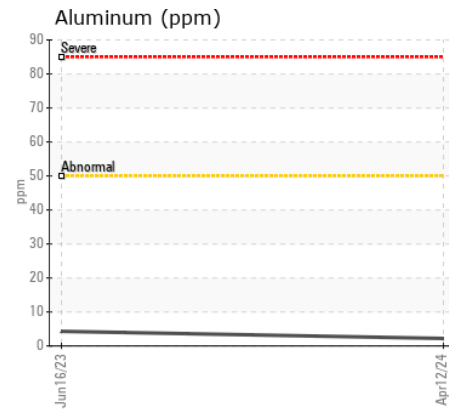
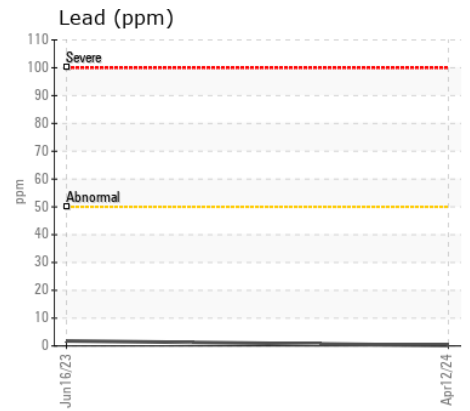
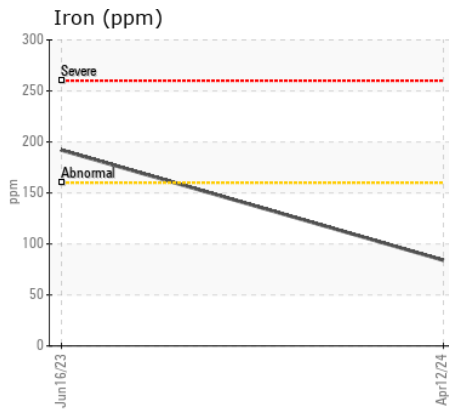
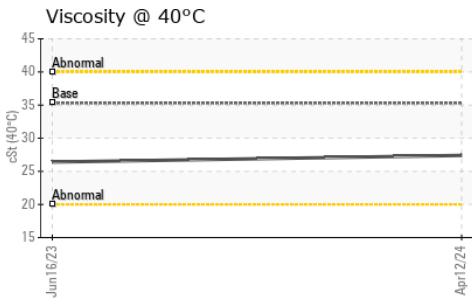
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	9	14	---
Potassium	ppm	ASTM D5185m	>20	3	4	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	8	---
Boron	ppm	ASTM D5185m	187	66	44	---
Barium	ppm	ASTM D5185m	0.0	0	<1	---
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	---
Manganese	ppm	ASTM D5185m	0.0	6	14	---
Magnesium	ppm	ASTM D5185m	6.8	2	2	---
Calcium	ppm	ASTM D5185m	215	78	70	---
Phosphorus	ppm	ASTM D5185m	445	175	182	---
Zinc	ppm	ASTM D5185m	56	33	61	---
Sulfur	ppm	ASTM D5185m	1336	2075	2429	---
Visc @ 40°C	cSt	ASTM D445	35.3	27.4	26.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VKC0000992 **Received** : 18 Apr 2024
Lab Number : 06153858 **Tested** : 23 Apr 2024
Unique Number : 10989281 **Diagnosed** : 23 Apr 2024 - Wes Davis
Test Package : MOBCE

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 US 66110
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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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