



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
Rear Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VKC0000991	VKC0000686	---
Sample Date		Client Info		12 Apr 2024	16 Jun 2023	---
Machine Age	hrs	Client Info		7424	5182	---
Oil Age	hrs	Client Info		0	5182	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	34	100	---
Chromium	ppm	ASTM D5185m	>20	1	4	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>30	3	3	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>120	4	21	---
Tin	ppm	ASTM D5185m	>20	<1	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

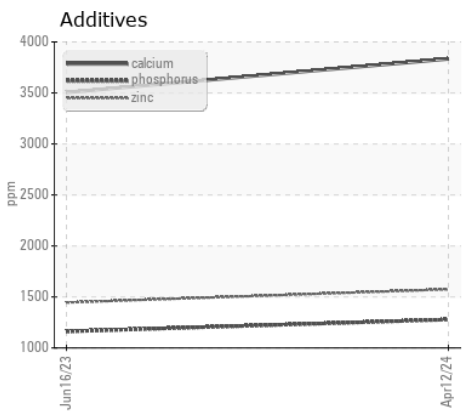
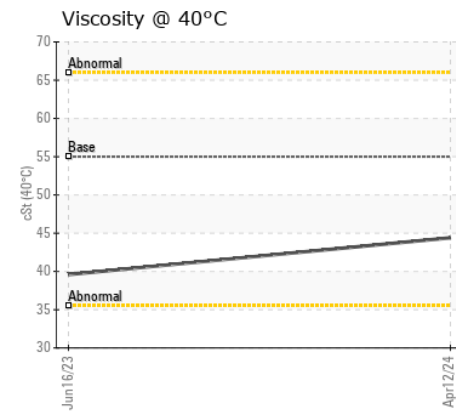
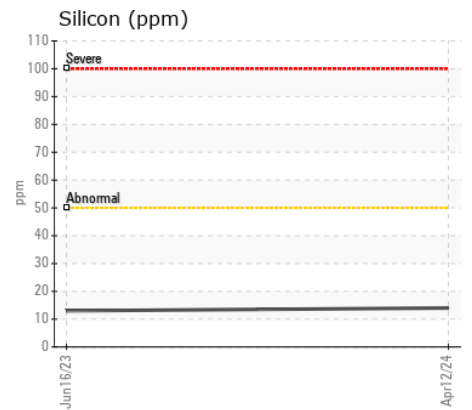
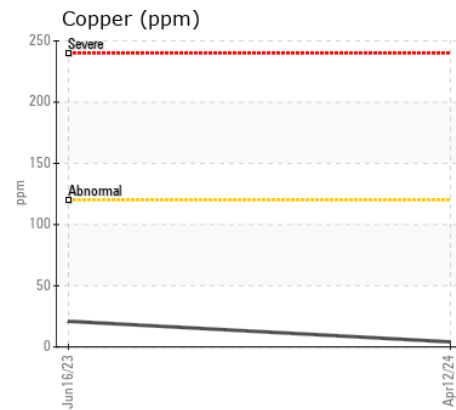
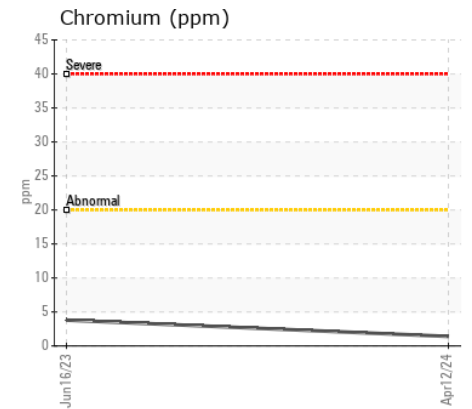
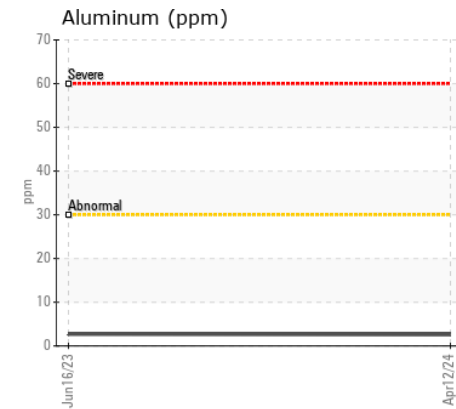
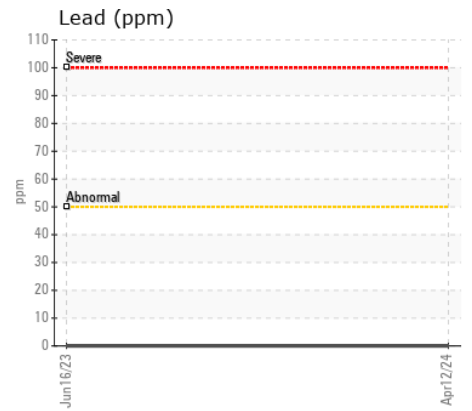
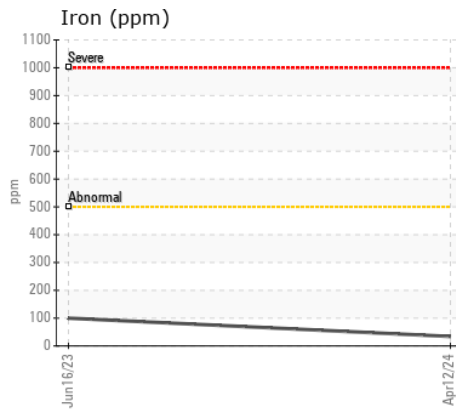
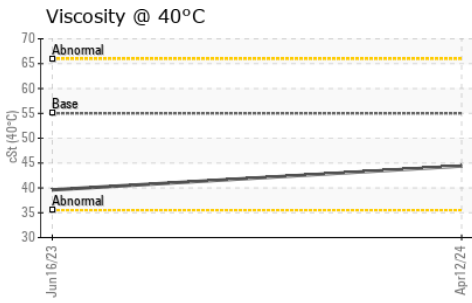
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	14	13	---
Potassium	ppm	ASTM D5185m	>20	3	<1	---
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	10	---
Boron	ppm	ASTM D5185m		130	133	---
Barium	ppm	ASTM D5185m		0	4	---
Molybdenum	ppm	ASTM D5185m		1	4	---
Manganese	ppm	ASTM D5185m		2	8	---
Magnesium	ppm	ASTM D5185m		14	14	---
Calcium	ppm	ASTM D5185m		3834	3505	---
Phosphorus	ppm	ASTM D5185m		1278	1162	---
Zinc	ppm	ASTM D5185m		1575	1445	---
Sulfur	ppm	ASTM D5185m		4403	4329	---
Visc @ 40°C	cSt	ASTM D445	55	44.4	39.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VKC0000991 **Received** : 18 Apr 2024
Lab Number : 06153848 **Tested** : 23 Apr 2024
Unique Number : 10989271 **Diagnosed** : 23 Apr 2024 - Wes Davis
Test Package : MOBCE

GW VAN KEPPEL CO
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 KANSAS CITY, KS
 US 66110
 Contact: PAT SAUSE
 psause@vankeppel.com

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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