



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SWO072947]
 Machine Id
VOLVO EC480EL 315428
 Component
Right Swing Drive
 Fluid
GEAR OIL SAE 80W140 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443960	VCP447583	---
Sample Date		Client Info		21 Jun 2024	19 Dec 2023	---
Machine Age	hrs	Client Info		1013	482	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	62	290	---
Chromium	ppm	ASTM D5185m	>10	<1	4	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	3	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>50	11	56	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

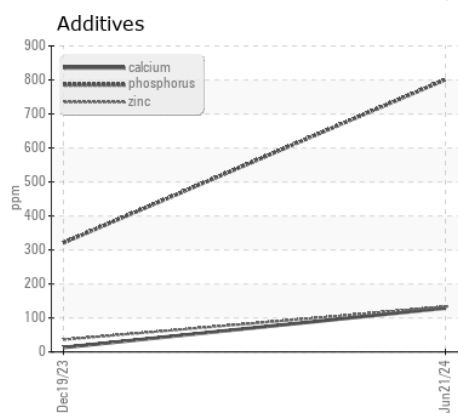
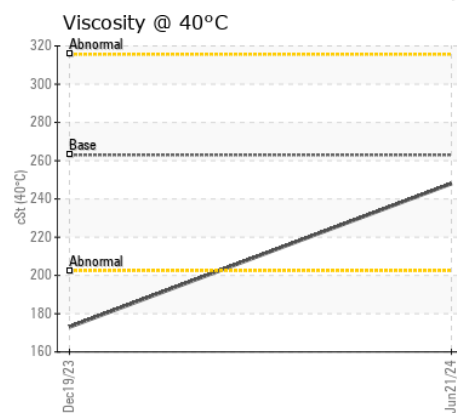
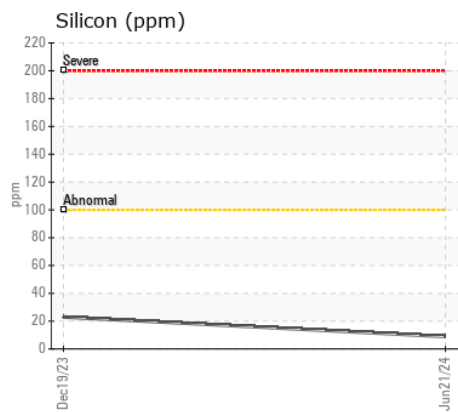
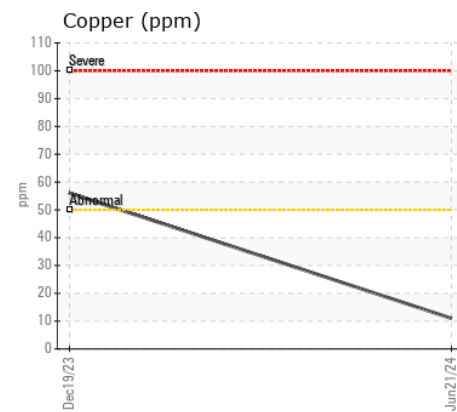
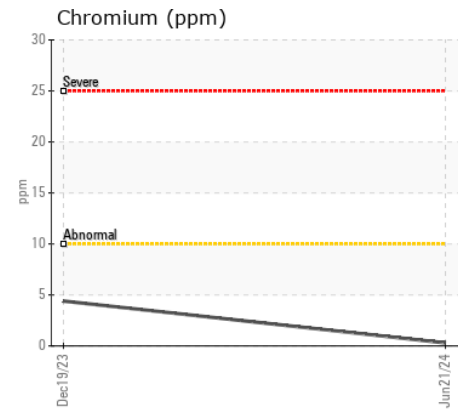
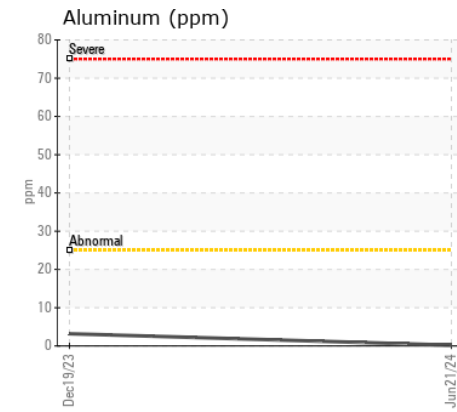
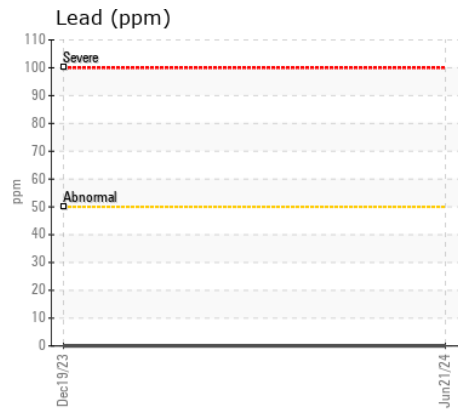
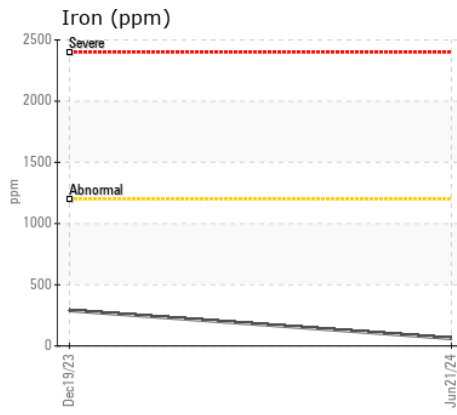
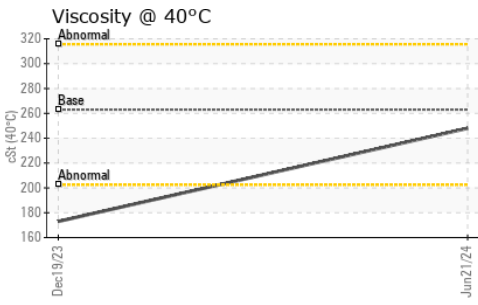
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	9	23	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.25	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	>0.25	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m	400	104	0	---
Barium	ppm	ASTM D5185m	200	0	2	---
Molybdenum	ppm	ASTM D5185m	12	8	0	---
Manganese	ppm	ASTM D5185m		<1	6	---
Magnesium	ppm	ASTM D5185m	12	43	0	---
Calcium	ppm	ASTM D5185m	150	129	13	---
Phosphorus	ppm	ASTM D5185m	1650	801	321	---
Zinc	ppm	ASTM D5185m	125	133	36	---
Sulfur	ppm	ASTM D5185m	22500	22046	15377	---
Visc @ 40°C	cSt	ASTM D445	263	248	173	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP443960 **Received** : 26 Jun 2024
Lab Number : 06221594 **Tested** : 27 Jun 2024
Unique Number : 11099791 **Diagnosed** : 28 Jun 2024 - Angela Borella
Test Package : MOB 1

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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)