



OIL ANALYSIS REPORT

WEAR	MARGINAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[SW0072947]

Machine Id

VOLVO EC480EL 315428

Component

Rear Right Final Drive

Fluid

{not provided} (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

WEAR

Gear wear is indicated.

CONTAMINATION

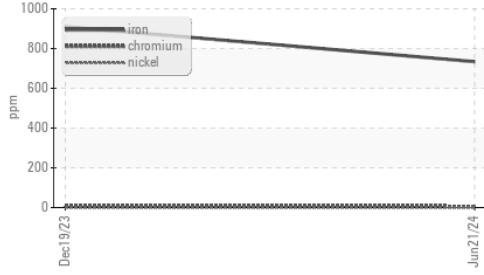
There is no indication of any contamination in the oil.

FLUID CONDITION

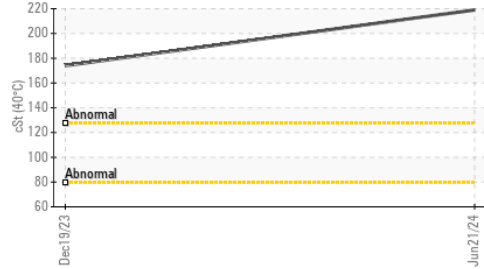
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP415935	VCP447584	---
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		Changed	Not Changd	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				MARGINAL	ABNORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>3300	▲ 734	▲ 910	---
Chromium	ppm	ASTM D5185m	>35	6	10	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m	>15	0	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>175	1	2	---
Lead	ppm	ASTM D5185m	>4	0	0	---
Copper	ppm	ASTM D5185m	>60	<1	1	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	MODER	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185m	>1070	12	13	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water		WC Method	>0.25	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
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	---
<hr/>						
Sodium	ppm	ASTM D5185m		<1	2	---
Boron	ppm	ASTM D5185m		44	<1	---
Barium	ppm	ASTM D5185m		2	2	---
Molybdenum	ppm	ASTM D5185m		6	<1	---
Manganese	ppm	ASTM D5185m		6	9	---
Magnesium	ppm	ASTM D5185m		32	0	---
Calcium	ppm	ASTM D5185m		102	14	---
Phosphorus	ppm	ASTM D5185m		668	287	---
Zinc	ppm	ASTM D5185m		94	11	---
Sulfur	ppm	ASTM D5185m		21623	15866	---
Visc @ 40°C	cSt	ASTM D445		219	174	---

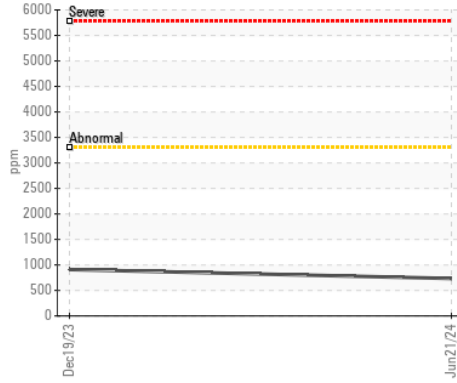
▲ Ferrous Alloys



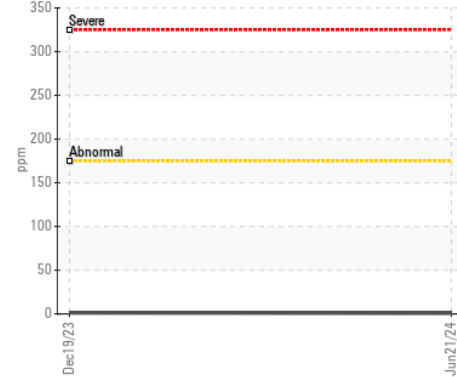
Viscosity @ 40°C



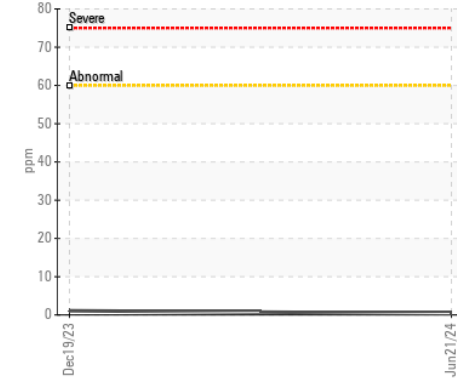
▲ Iron (ppm)



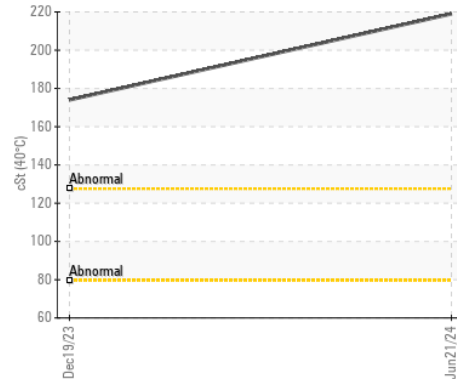
Aluminum (ppm)



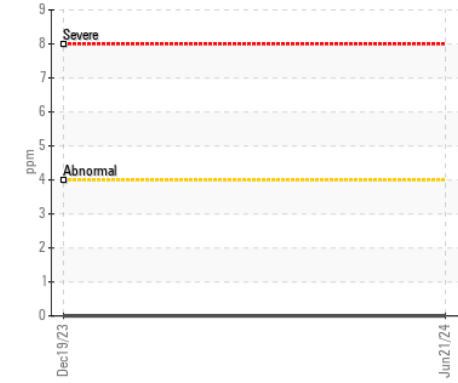
Copper (ppm)



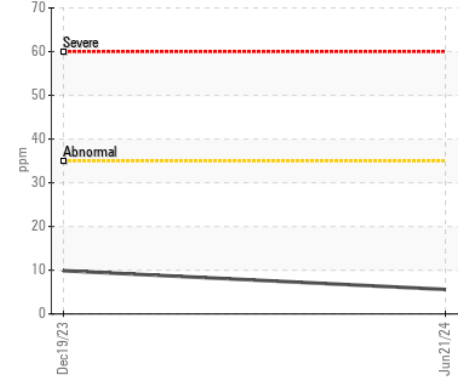
Viscosity @ 40°C



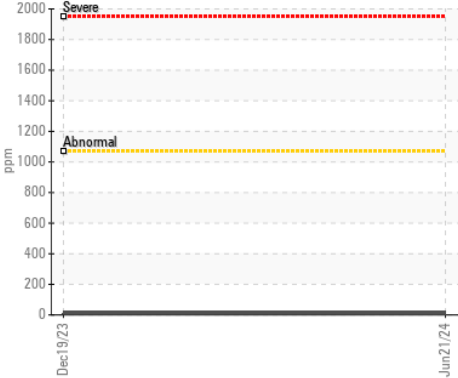
Lead (ppm)



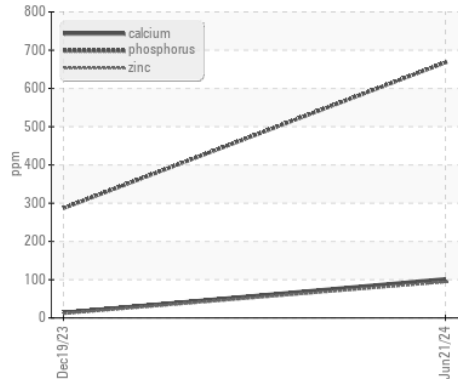
Chromium (ppm)



Silicon (ppm)



Additives



Certificate L2367

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

Sample No. : VCP415935

Lab Number : 06221591

Unique Number : 11099788

Test Package : MOB 1

Received : 26 Jun 2024

Tested : 03 Jul 2024

Diagnosed : 03 Jul 2024 - Doug Bogart

SAIIA CONSTRUCTION LLC

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US 35207

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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)