



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[SPM717168]
Machine Id
VOLVO EC480EL 314792
Component
Right Swing Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP379244	VCP429125	VCP409263
Sample Date		Client Info		07 Jun 2024	10 Nov 2023	07 Jul 2023
Machine Age	hrs	Client Info		3996	1073	2503
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Chngd
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	2	345	23
Chromium	ppm	ASTM D5185m	>10	0	12	<1
Nickel	ppm	ASTM D5185m	>10	0	2	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	4	<1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	1	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

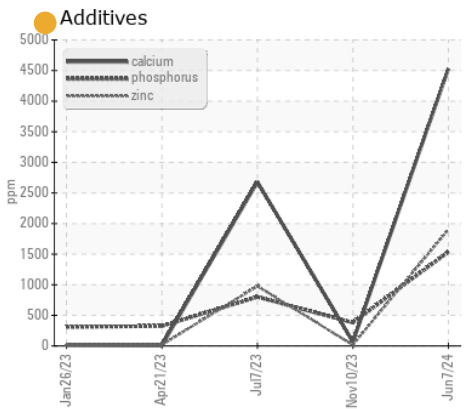
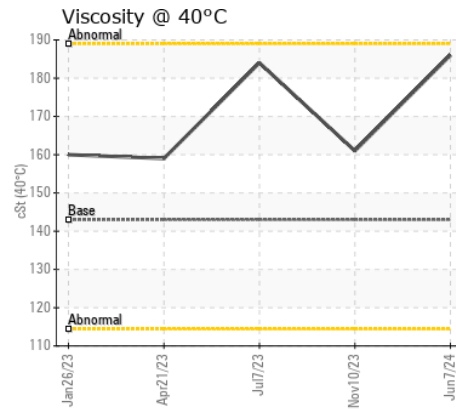
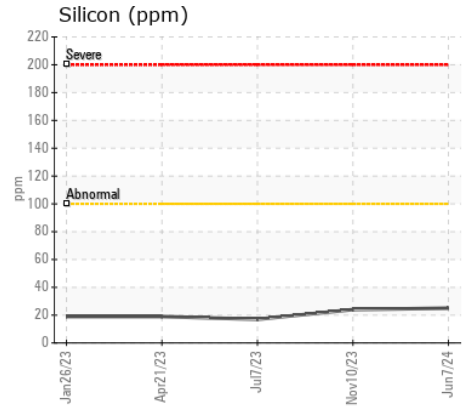
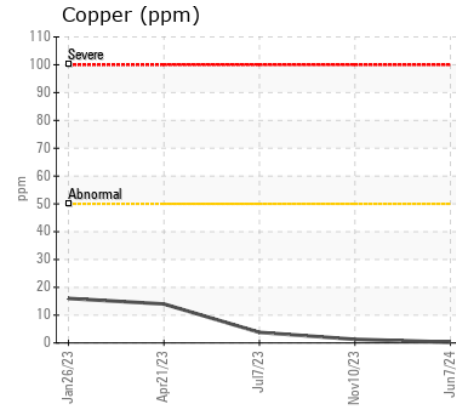
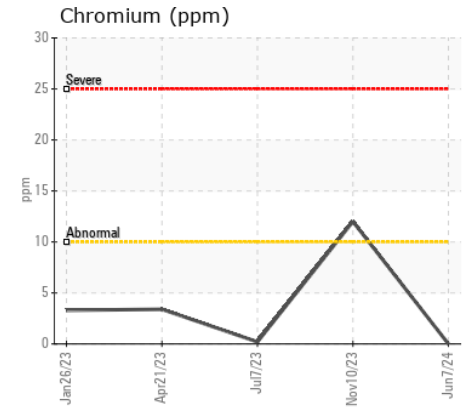
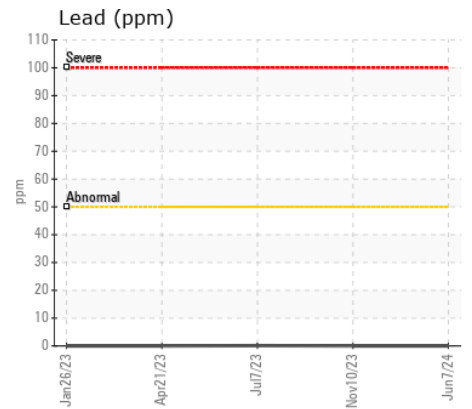
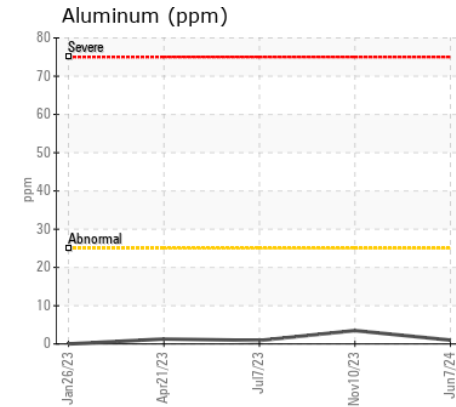
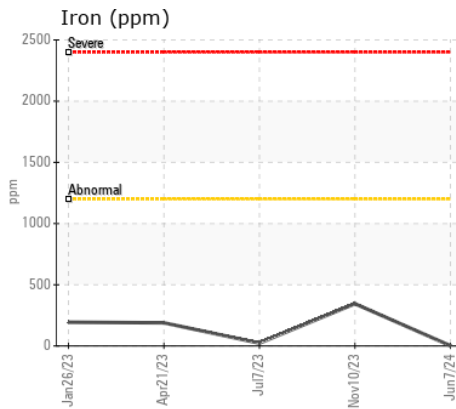
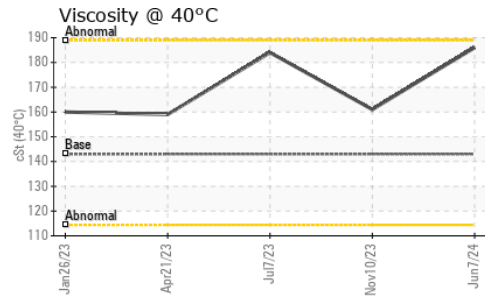
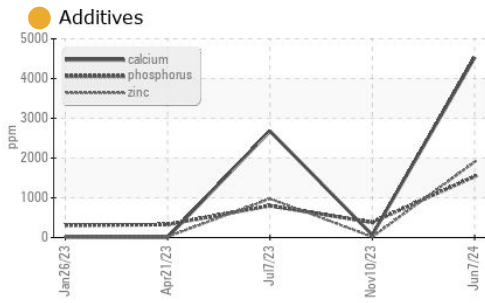
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	25	24	17
Potassium	ppm	ASTM D5185m	>20	<1	5	0
Water		WC Method	>0.25	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	3	22	0
Boron	ppm	ASTM D5185m	400	68	<1	4
Barium	ppm	ASTM D5185m	200	0	5	0
Molybdenum	ppm	ASTM D5185m	12	5	<1	3
Manganese	ppm	ASTM D5185m		<1	9	<1
Magnesium	ppm	ASTM D5185m	12	56	4	66
Calcium	ppm	ASTM D5185m	150	4528	67	2678
Phosphorus	ppm	ASTM D5185m	1650	1536	381	801
Zinc	ppm	ASTM D5185m	125	1901	16	976
Sulfur	ppm	ASTM D5185m	22500	13501	26321	14352
Visc @ 40°C	cSt	ASTM D445	143	186	161	184



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP379244 **Received** : 19 Jun 2024
Lab Number : 06215061 **Tested** : 20 Jun 2024
Unique Number : 11087925 **Diagnosed** : 21 Jun 2024 - Sean Felton
Test Package : MOB 1

SIMS METAL MANAGEMENT
 2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.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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