



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area  
**[SPM717168]**  
 Machine Id  
**VOLVO EC480E 314792**  
 Component  
**Left Final 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		VCP373881	VCP429105	VCP409267
Sample Date		Client Info		07 Jun 2024	02 Nov 2023	07 Jul 2023
Machine Age	hrs	Client Info		3996	3011	2503
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
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	>3360	356	189	198
Chromium	ppm	ASTM D5185m	>35	6	6	3
Nickel	ppm	ASTM D5185m	>8	0	<1	0
Titanium	ppm	ASTM D5185m	>15	1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>185	8	2	6
Lead	ppm	ASTM D5185m	>5	0	0	0
Copper	ppm	ASTM D5185m	>80	<1	<1	<1
Tin	ppm	ASTM D5185m	>8	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

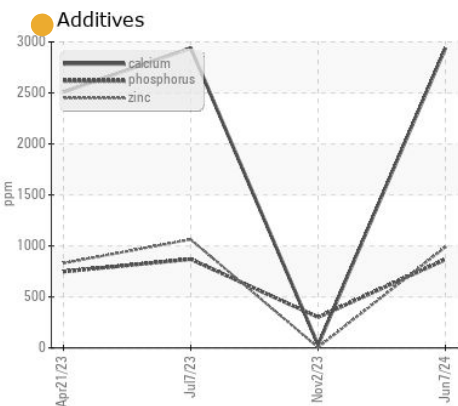
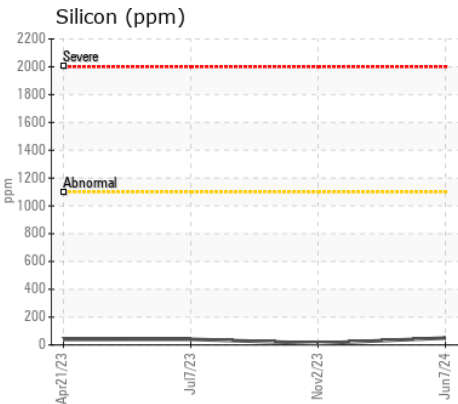
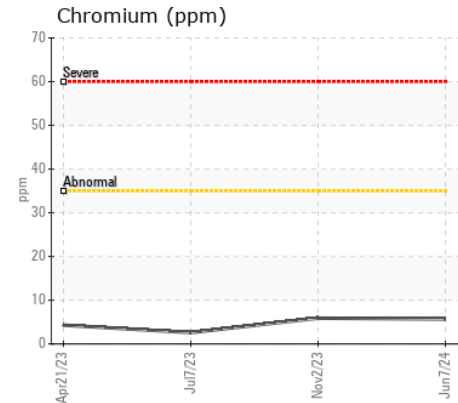
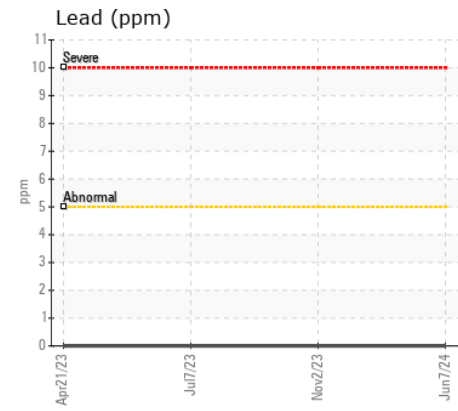
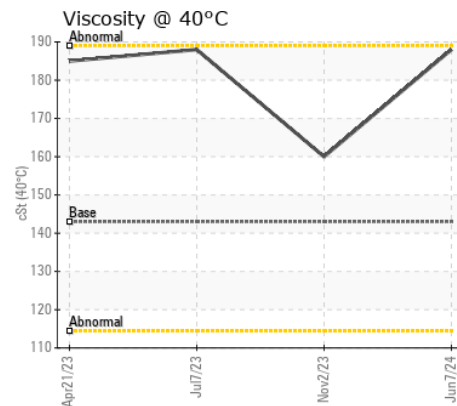
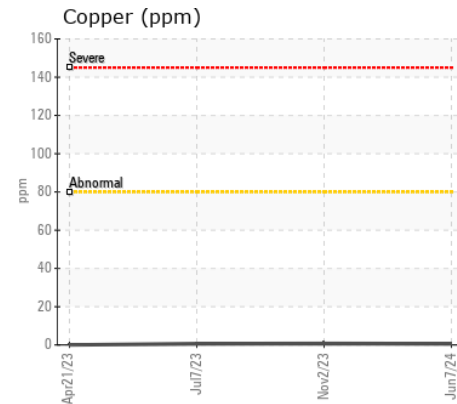
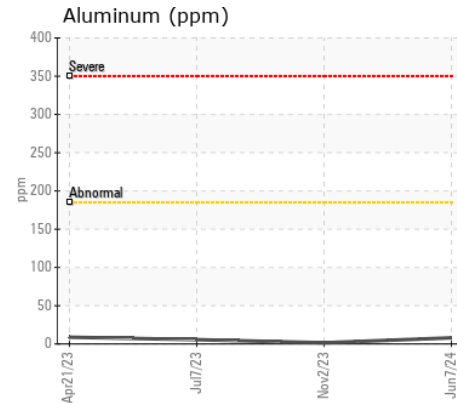
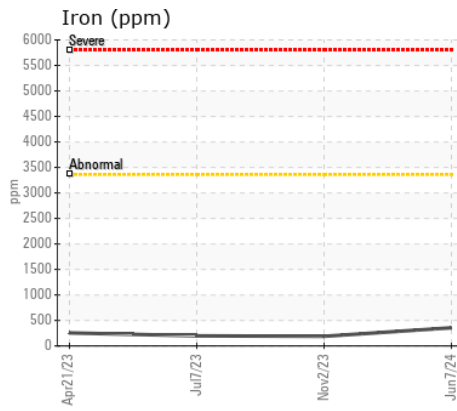
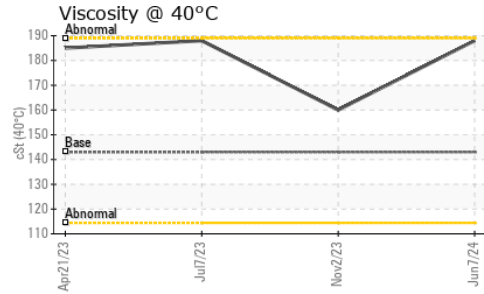
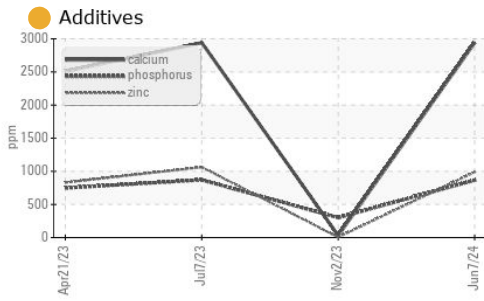
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>1100	50	12	41
Potassium	ppm	ASTM D5185m	>20	1	3	0
Water		WC Method	>0.2	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	>0.2	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	12	2
Boron	ppm	ASTM D5185m	400	3	0	10
Barium	ppm	ASTM D5185m	200	0	4	0
Molybdenum	ppm	ASTM D5185m	12	3	<1	3
Manganese	ppm	ASTM D5185m		5	6	3
Magnesium	ppm	ASTM D5185m	12	71	2	81
Calcium	ppm	ASTM D5185m	150	2940	30	2941
Phosphorus	ppm	ASTM D5185m	1650	867	301	870
Zinc	ppm	ASTM D5185m	125	988	5	1063
Sulfur	ppm	ASTM D5185m	22500	13323	21266	14564
Visc @ 40°C	cSt	ASTM D445	143	188	160	188



Certificate L2367

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

Sample No. : VCP373881

Lab Number : 06215063

Unique Number : 11087927

Test Package : MOB 1

Received : 19 Jun 2024

Tested : 20 Jun 2024

Diagnosed : 21 Jun 2024 - Sean Felton

SIMS METAL MANAGEMENT

2500 S. PAULINA

CHICAGO, IL

US 60608

Contact: RYAN WISE

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T:

F:

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)