



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[717257]

Machine Id

VOLVO EC380 315097

Component

Swing Drive

Fluid

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP447783	VCP398235	VCP431339
Sample Date		Client Info		04 Jun 2024	25 Oct 2023	27 Sep 2023
Machine Age	hrs	Client Info		2866	1943	1815
Oil Age	hrs	Client Info		1000	0	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	142	335	▲ 3156
Chromium	ppm	ASTM D5185m	>10	2	3	▲ 37
Nickel	ppm	ASTM D5185m	>10	0	0	2
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	10
Lead	ppm	ASTM D5185m	>50	0	0	2
Copper	ppm	ASTM D5185m	>50	10	14	▲ 151
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

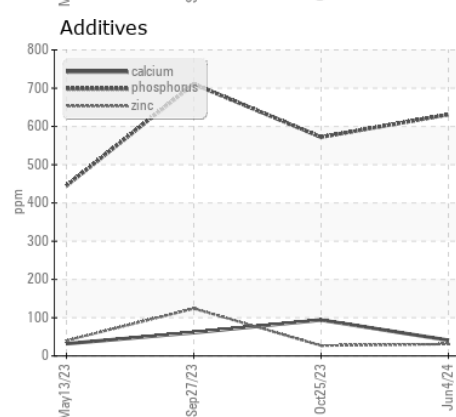
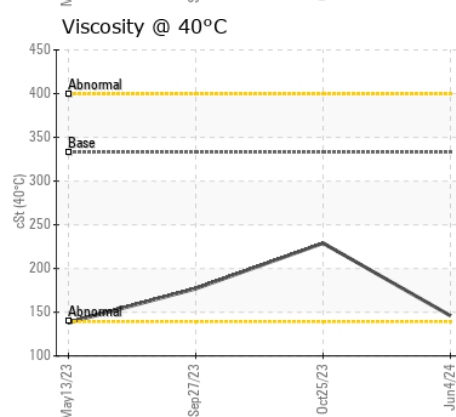
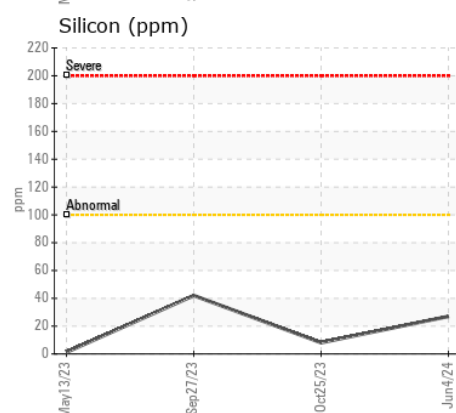
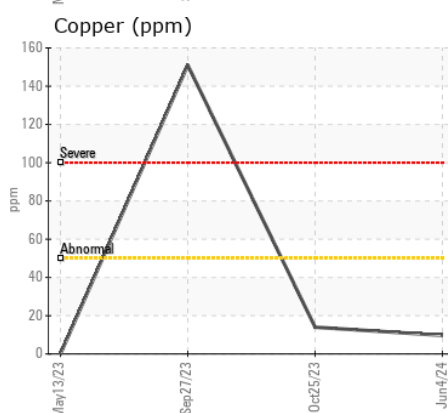
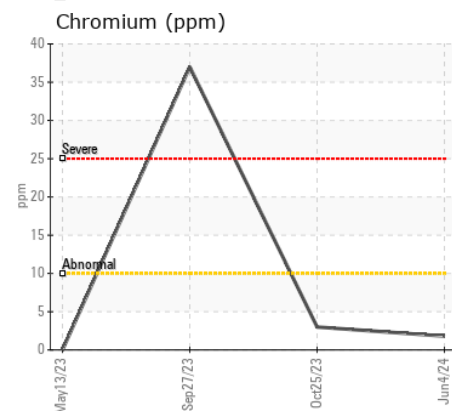
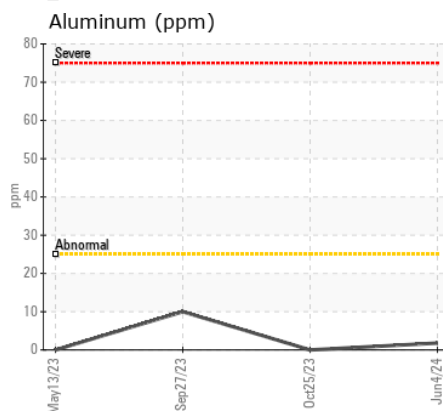
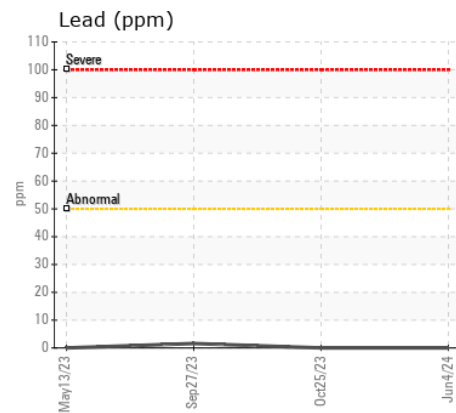
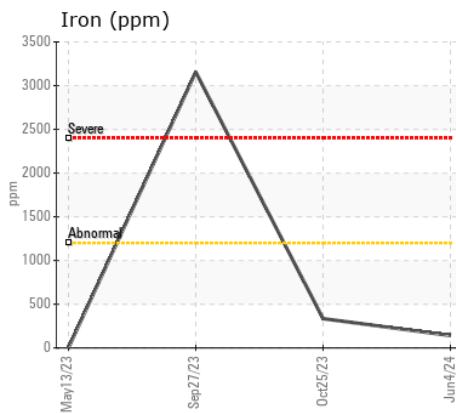
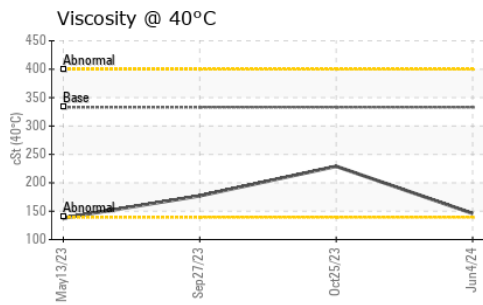
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	27	8	42
Potassium	ppm	ASTM D5185m	>20	1	0	3
Water		WC Method	>0.25	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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

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

Sodium	ppm	ASTM D5185m		3	1	8
Boron	ppm	ASTM D5185m	111	16	93	<1
Barium	ppm	ASTM D5185m	0.0	0	0	12
Molybdenum	ppm	ASTM D5185m	0.9	2	0	3
Manganese	ppm	ASTM D5185m	0.0	2	4	31
Magnesium	ppm	ASTM D5185m	39	8	0	6
Calcium	ppm	ASTM D5185m	93	41	94	61
Phosphorus	ppm	ASTM D5185m	920	631	572	711
Zinc	ppm	ASTM D5185m	104	31	27	124
Sulfur	ppm	ASTM D5185m	20179	17838	19749	15676
Visc @ 40°C	cSt	ASTM D445	333	146	229	177



Certificate L2367

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

Sample No. : VCP447783

Lab Number : 06215052

Unique Number : 11087916

Test Package : MOB 1

Received : 19 Jun 2024

Tested : 20 Jun 2024

Diagnosed : 21 Jun 2024 - Sean Felton

BLAZE CONSTRUCTION

5640 ST JEAN ST

DETROIT, MI

US 48213

Contact: DAVE WARD

dward@blazecontracting.net

T: (248)632-2317

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)