



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[716015 TMM]

Machine Id

314865 VOLVO EC380EL 314865

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		VCP429260	VCP429391	VCP392651
Sample Date		Client Info		17 May 2024	18 Oct 2023	24 Feb 2023
Machine Age	hrs	Client Info		3875	2919	9576
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	341	382	307
Chromium	ppm	ASTM D5185m	>10	3	4	3
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	2
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>200	8	10	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

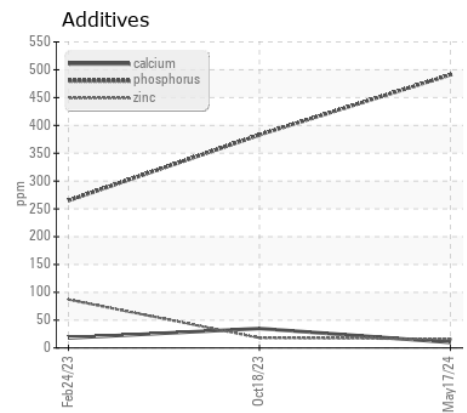
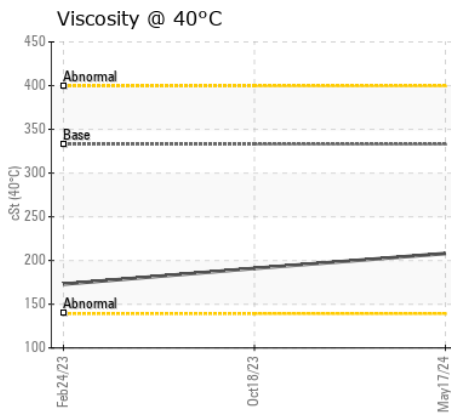
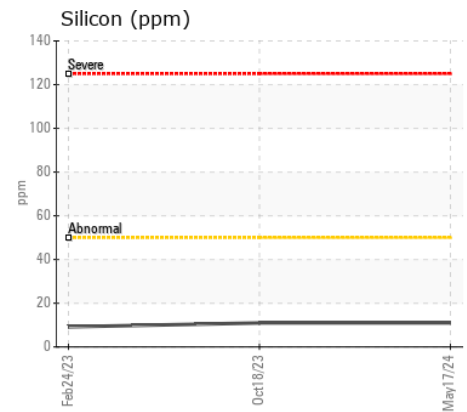
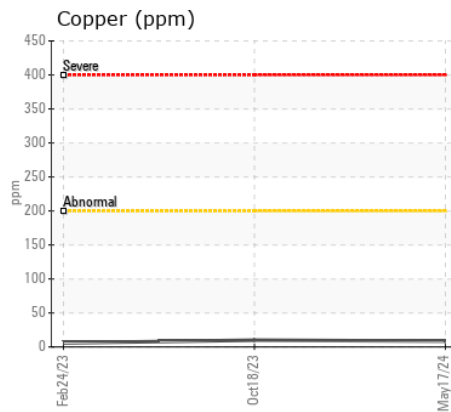
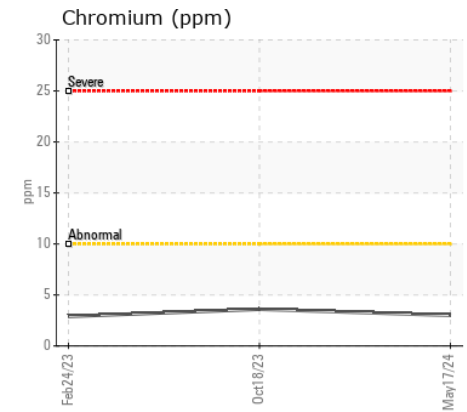
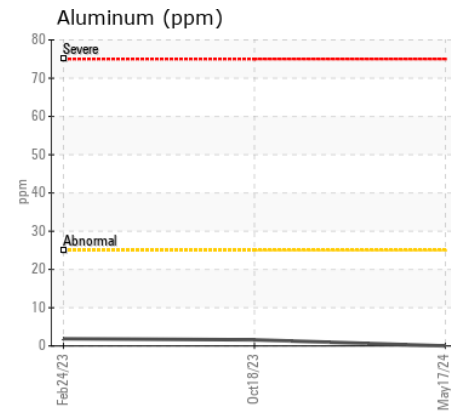
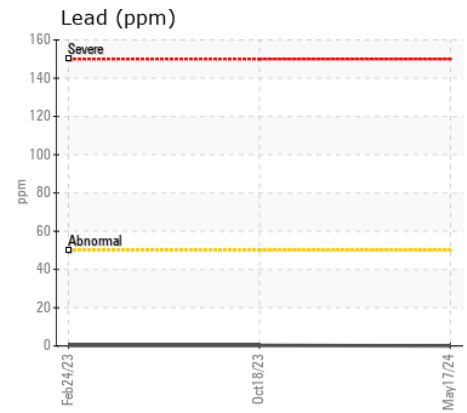
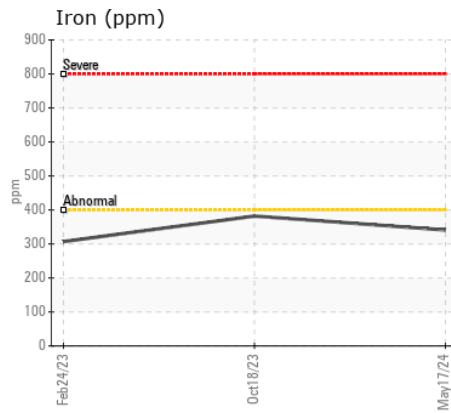
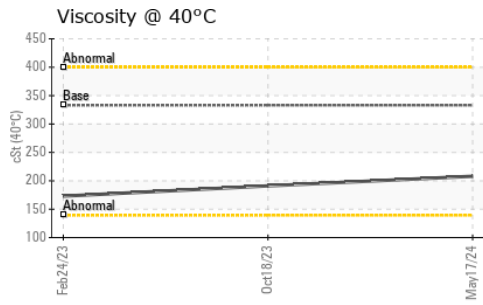
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	11	11	9
Potassium	ppm	ASTM D5185m	>20	0	1	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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

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

Sodium	ppm	ASTM D5185m		<1	0	<1
Boron	ppm	ASTM D5185m	111	32	16	<1
Barium	ppm	ASTM D5185m	0.0	3	2	<1
Molybdenum	ppm	ASTM D5185m	0.9	0	5	<1
Manganese	ppm	ASTM D5185m	0.0	4	5	5
Magnesium	ppm	ASTM D5185m	39	2	2	<1
Calcium	ppm	ASTM D5185m	93	10	35	18
Phosphorus	ppm	ASTM D5185m	920	491	383	265
Zinc	ppm	ASTM D5185m	104	16	18	87
Sulfur	ppm	ASTM D5185m	20179	22098	17692	11819
Visc @ 40°C	cSt	ASTM D445	333	208	191	173



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP429260
Lab Number : 06186547
Unique Number : 11043299
Test Package : MOB 1

Received : 21 May 2024
Tested : 22 May 2024
Diagnosed : 23 May 2024 - Don Baldrige

TRADEMARK METALS RECYCLING - SUNSHINE
 13200 CAIRO LN
 OPA LOCKA, FL
 US 33054
 Contact: Service Manager

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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