



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO EC480EL 314818
Component
Left Swing Drive
Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0008838	VCP435277	VCP407533
Sample Date		Client Info		05 Mar 2024	14 Sep 2023	27 Jun 2023
Machine Age	hrs	Client Info		2217	1705	1409
Oil Age	hrs	Client Info		512	0	162
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		N/A	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	30	90	84
Chromium	ppm	ASTM D5185m	>10	<1	2	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>50	8	31	31
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

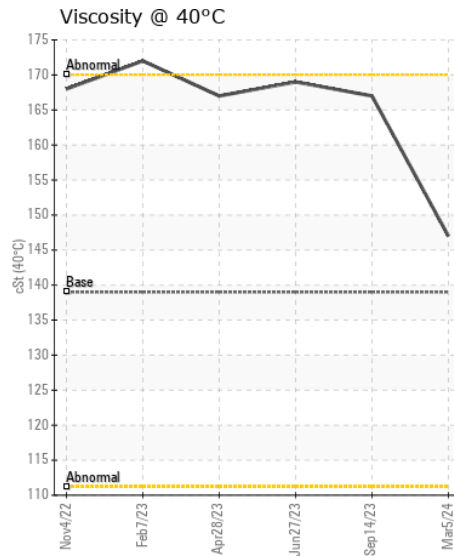
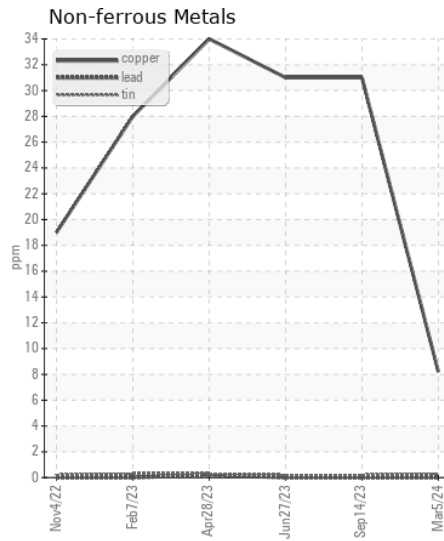
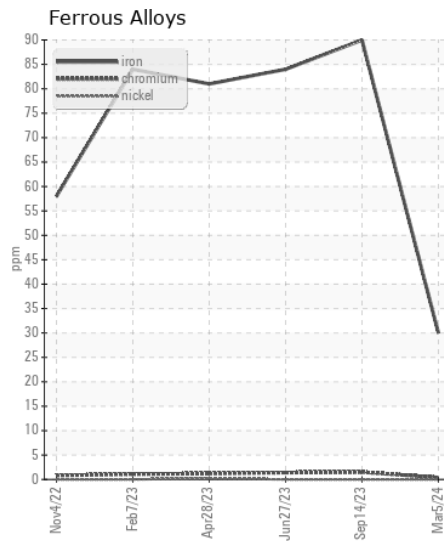
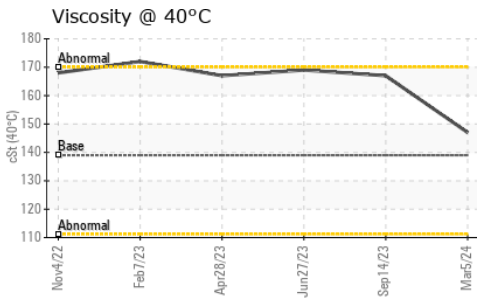
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	5	21	18
Potassium	ppm	ASTM D5185m	>20	1	<1	0
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		0	<1	2
Boron	ppm	ASTM D5185m	379	163	22	28
Barium	ppm	ASTM D5185m	0.0	0	<1	2
Molybdenum	ppm	ASTM D5185m	0.8	<1	<1	<1
Manganese	ppm	ASTM D5185m	0.0	<1	3	3
Magnesium	ppm	ASTM D5185m	31	<1	<1	<1
Calcium	ppm	ASTM D5185m	38	8	6	6
Phosphorus	ppm	ASTM D5185m	1077	916	423	491
Zinc	ppm	ASTM D5185m	46	11	25	21
Sulfur	ppm	ASTM D5185m	23526	25650	18398	21985
Visc @ 40°C	cSt	ASTM D445	139	147	167	169



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0008838
Lab Number : 06121797
Unique Number : 10935948
Test Package : CONST
Received : 18 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 21 Mar 2024 - Jonathan Hester

HANSON AGGREGATES
 10501 CAPITAL BLVD
 WAKE FOREST, NC
 US 27587
 Contact: RICKEY DAVIS

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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