



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SWO-069192]
 Machine Id
VOLVO A60H 340044
 Component
Front Left Final Drive
 Fluid
GEAR OIL SAE 80W140 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446182	VCP414081	VCP410190
Sample Date		Client Info		01 Feb 2024	04 Aug 2023	11 May 2023
Machine Age	hrs	Client Info		9302	8791	8303
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	31	16	14
Chromium	ppm	ASTM D5185m	>10	1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

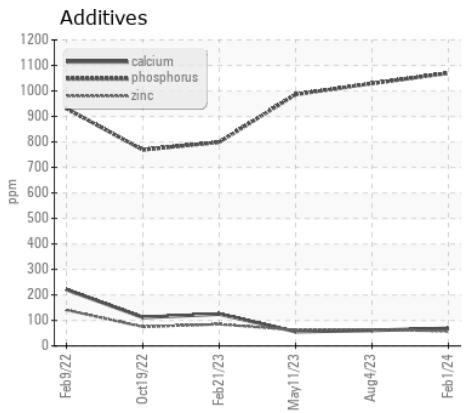
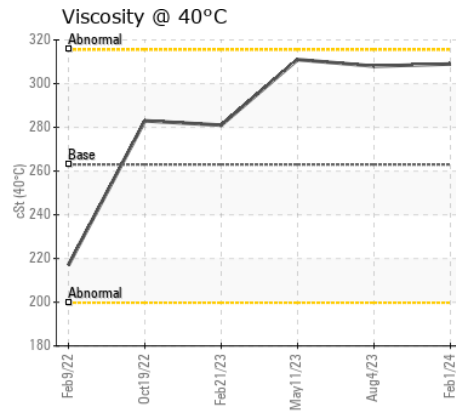
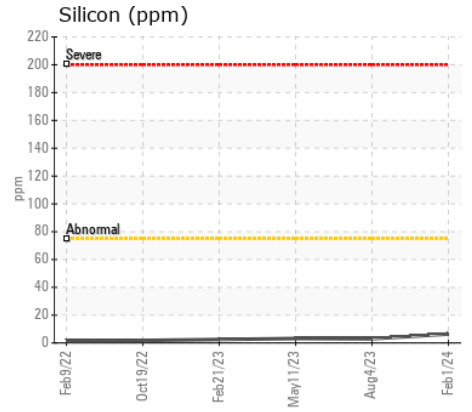
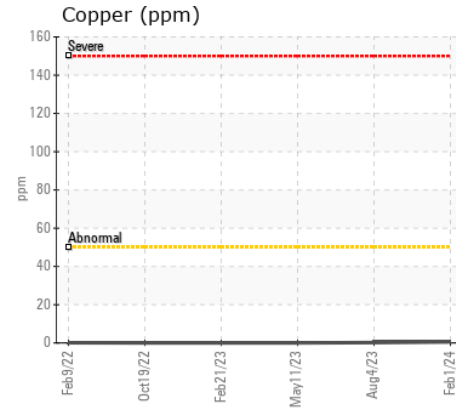
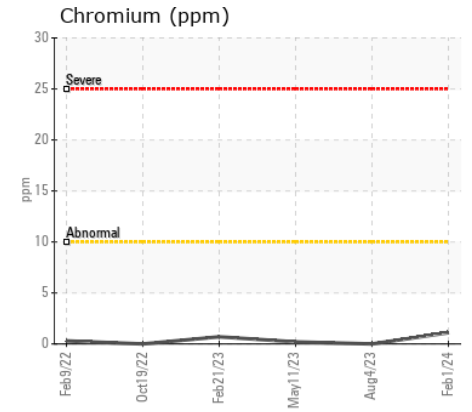
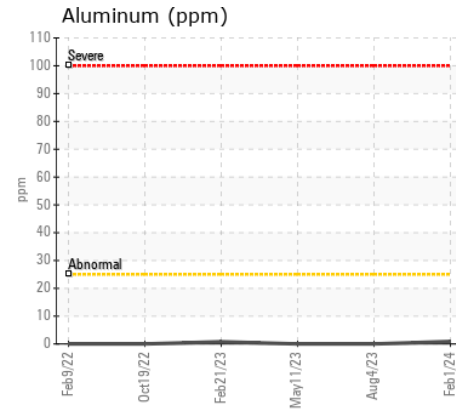
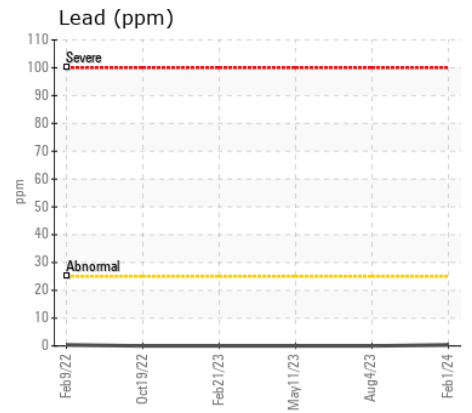
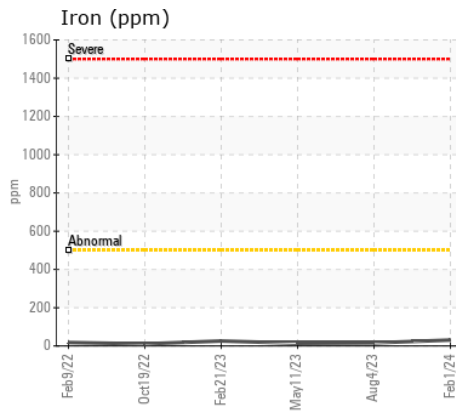
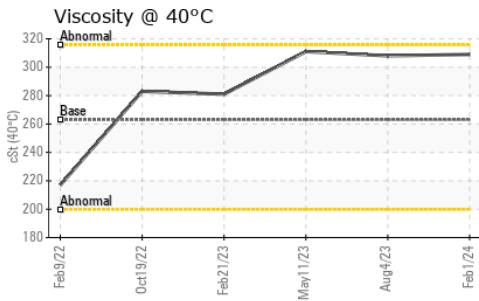
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	3	3
Potassium	ppm	ASTM D5185m	>20	1	1	<1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m	400	197	198	182
Barium	ppm	ASTM D5185m	200	0	2	0
Molybdenum	ppm	ASTM D5185m	12	4	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	12	38	31	28
Calcium	ppm	ASTM D5185m	150	69	61	56
Phosphorus	ppm	ASTM D5185m	1650	1070	1029	986
Zinc	ppm	ASTM D5185m	125	57	65	62
Sulfur	ppm	ASTM D5185m	22500	24836	24340	22626
Visc @ 40°C	cSt	ASTM D445	263	309	308	311



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP446182 **Received** : 09 Feb 2024
Lab Number : 06085089 **Tested** : 11 Feb 2024
Unique Number : 10872534 **Diagnosed** : 12 Feb 2024 - Don Baldrige
Test Package : MOB 1

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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)