



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[8000394672]
Machine Id
VOLVO L60H 621575
Component
Rear Axle
Fluid
VOLVO WET BRAKE TRANSAXLE OIL (--- GAL)

RECOMMENDATION

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP394229	VCP391755	VCP334046
Sample Date		Client Info		13 Feb 2024	02 Jun 2023	19 Oct 2022
Machine Age	hrs	Client Info		7050	6320	5699
Oil Age	hrs	Client Info		730	2223	1602
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Moderate concentration of visible metal present. Gear wear is indicated.

Iron	ppm	ASTM D5185(m)	>500	174	▲ 816	▲ 554
Chromium	ppm	ASTM D5185(m)	>20	1	5	4
Nickel	ppm	ASTM D5185(m)	>10	<1	3	2
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>30	4	6	4
Lead	ppm	ASTM D5185(m)	>50	2	6	4
Copper	ppm	ASTM D5185(m)	>120	60	▲ 194	▲ 124
Tin	ppm	ASTM D5185(m)	>20	6	▲ 21	▲ 12
Vanadium	ppm	ASTM D5185(m)		0	<1	<1
White Metal	scalar	Visual*	NONE	▲ MODER	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

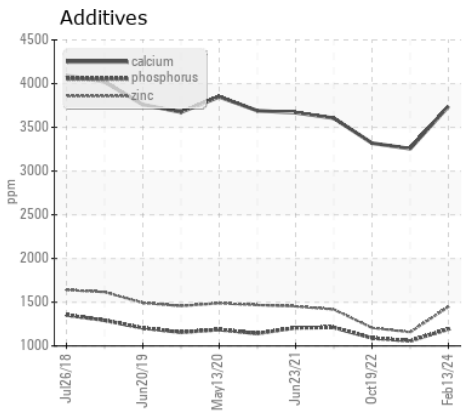
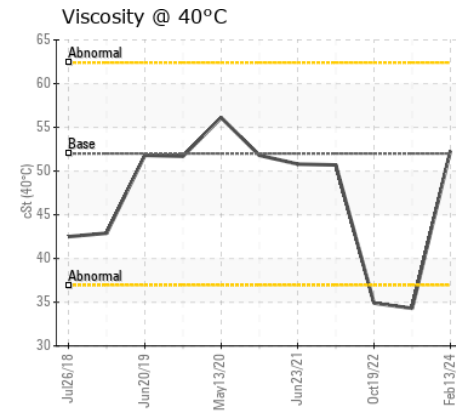
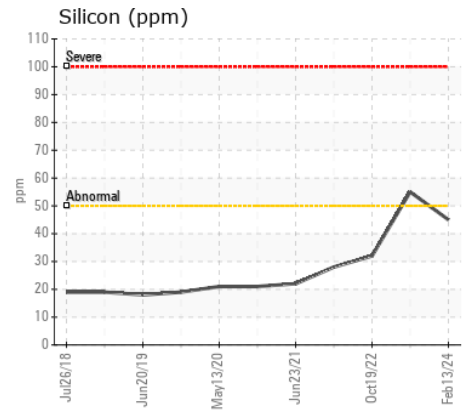
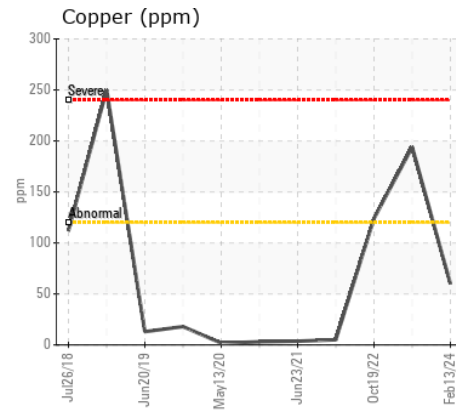
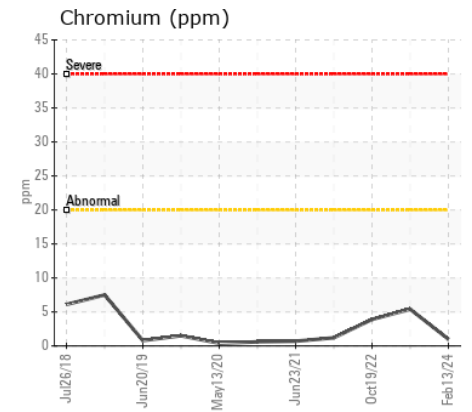
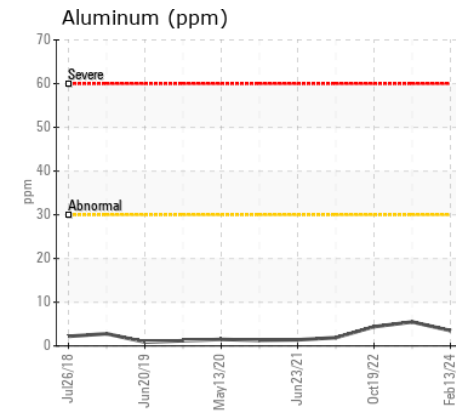
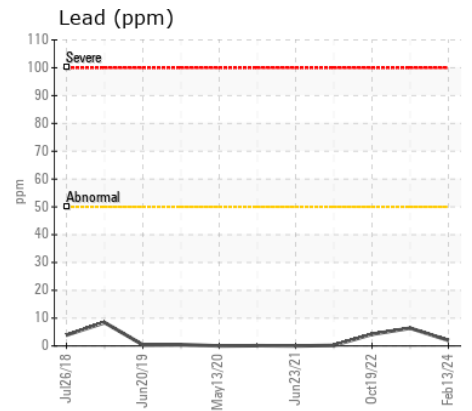
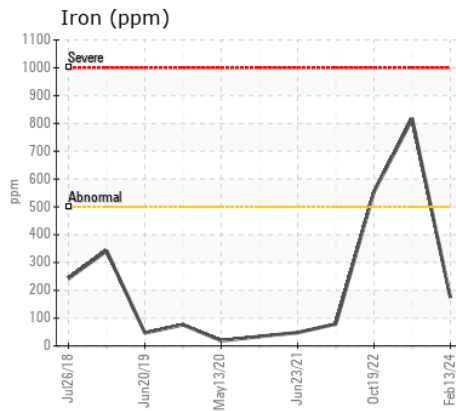
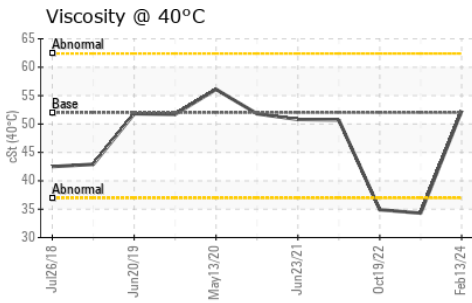
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	45	▲ 55	32
Potassium	ppm	ASTM D5185(m)	>20	1	1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	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 oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		2	13	12
Boron	ppm	ASTM D5185(m)	100	102	82	85
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	<1
Manganese	ppm	ASTM D5185(m)		3	10	8
Magnesium	ppm	ASTM D5185(m)	0	15	15	15
Calcium	ppm	ASTM D5185(m)	3800	3740	3256	3319
Phosphorus	ppm	ASTM D5185(m)	1200	1193	1058	1090
Zinc	ppm	ASTM D5185(m)	1500	1449	1157	1207
Sulfur	ppm	ASTM D5185(m)	6500	3997	3762	4019
Visc @ 40°C	cSt	ASTM D7279(m)	52.0	52.3	34.3	34.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394229
Lab Number : 02616729
Unique Number : 5733839
Test Package : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch)

Received : 20 Feb 2024
Tested : 23 Feb 2024
Diagnosed : 23 Feb 2024 - Kevin Marson

STRONGCO EQUIPMENT INC.
 55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
 DARTMOUTH, NS
 CA B3B 1N6
 Contact: Lindsay Downs
 ldowns@strongco.com
 T: (902)468-5010
 F: (902)468-2468

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.