



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[PRINCE]
Machine Id
VOLVO L90H 626545
Component
Rear Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP451292	VCP438299	VCP440384
Sample Date		Client Info		08 Jun 2024	16 Jan 2024	20 Oct 2023
Machine Age	hrs	Client Info		2846	2003	1583
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		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	43	46	70
Chromium	ppm	ASTM D5185m	>20	2	1	4
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	1	<1	1
Lead	ppm	ASTM D5185m	>50	<1	<1	<1
Copper	ppm	ASTM D5185m	>120	6	<1	24
Tin	ppm	ASTM D5185m	>20	<1	<1	3
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

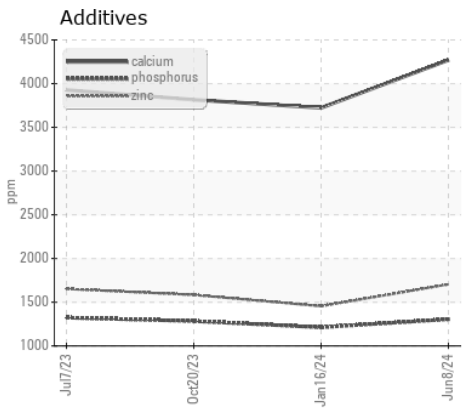
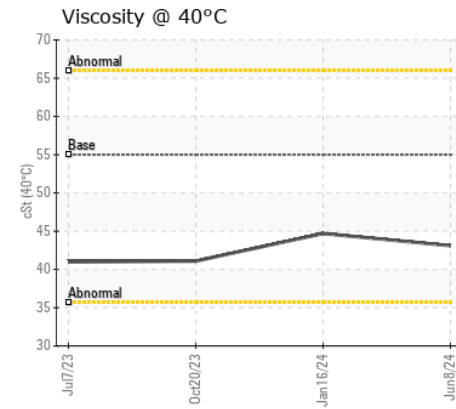
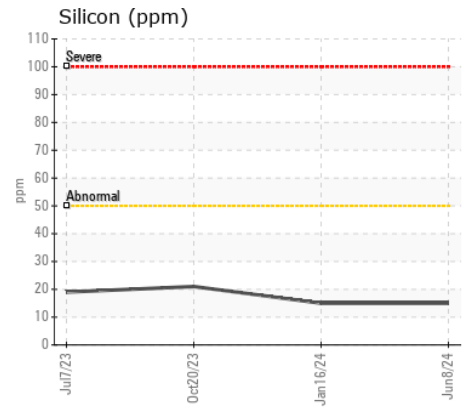
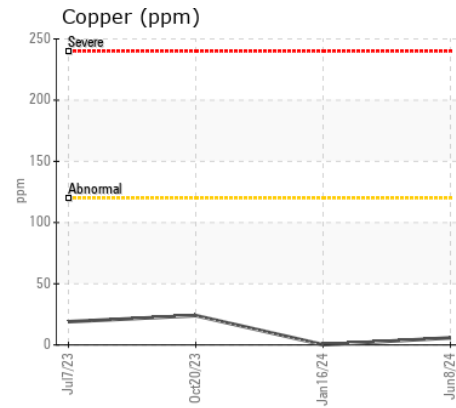
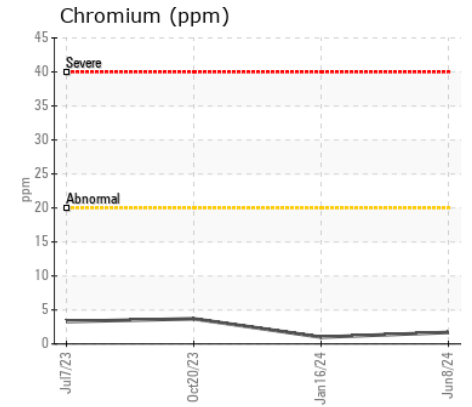
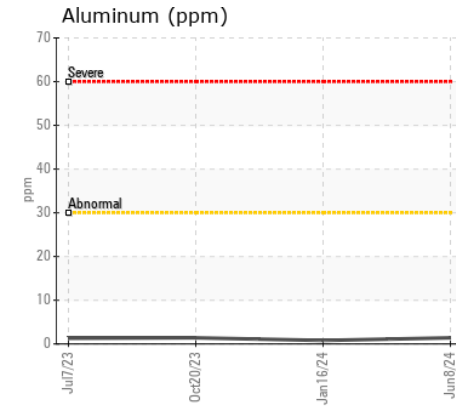
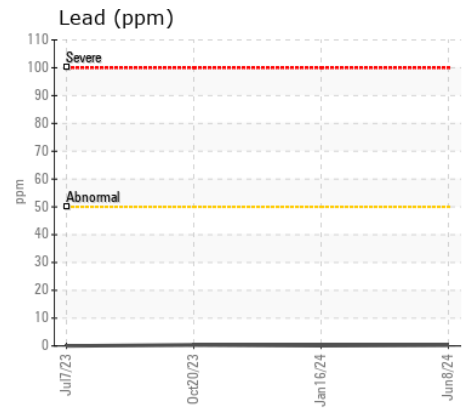
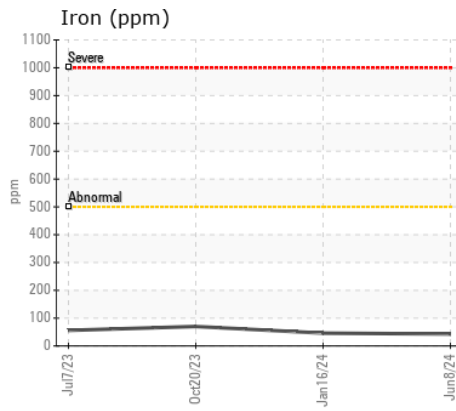
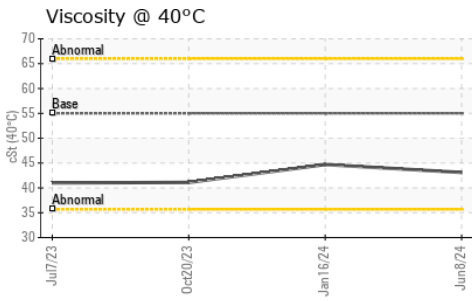
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	15	15	21
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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		<1	2	11
Boron	ppm	ASTM D5185m		132	121	125
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	4	2
Manganese	ppm	ASTM D5185m		2	2	7
Magnesium	ppm	ASTM D5185m		16	28	14
Calcium	ppm	ASTM D5185m		4270	3723	3816
Phosphorus	ppm	ASTM D5185m		1305	1213	1284
Zinc	ppm	ASTM D5185m		1704	1455	1584
Sulfur	ppm	ASTM D5185m		4322	3514	3744
Visc @ 40°C	cSt	ASTM D445	55	43.1	44.7	41.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VCP451292
 Lab Number : 06210510
 Unique Number : 11083374
 Test Package : MOB 1

Received : 14 Jun 2024
 Tested : 17 Jun 2024
 Diagnosed : 17 Jun 2024 - Wes Davis

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824

Contact: Robert LaPlante
 robert.laplante@altg.com

T: (407)508-9736
 F: (407)659-8720

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)