



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[582216]

Machine Id

VOLVO L90H 624518

Component

Transmission (Auto)

Fluid

VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP454568	VCP446378	VCP412148
Sample Date		Client Info		14 Jun 2024	12 Apr 2024	11 Aug 2023
Machine Age	hrs	Client Info		14969	14537	12325
Oil Age	hrs	Client Info		0	0	750
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	33	63	26
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	3	2	2
Lead	ppm	ASTM D5185m	>50	<1	1	0
Copper	ppm	ASTM D5185m	>225	8	13	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

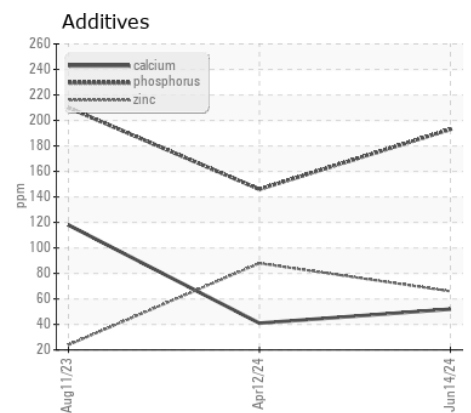
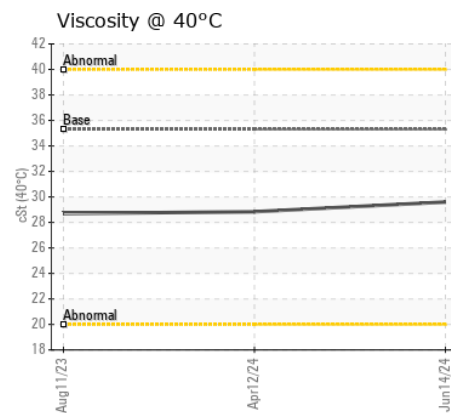
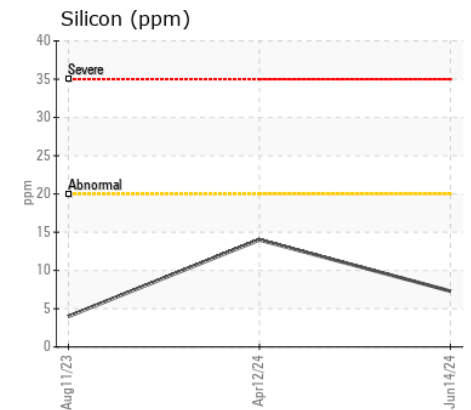
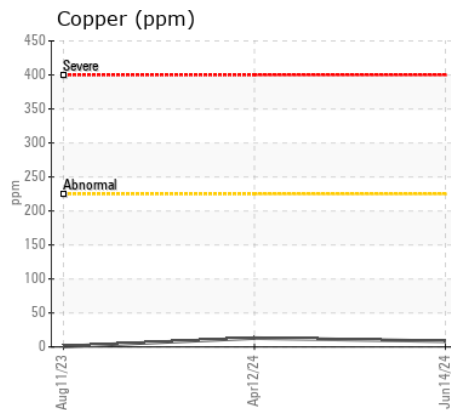
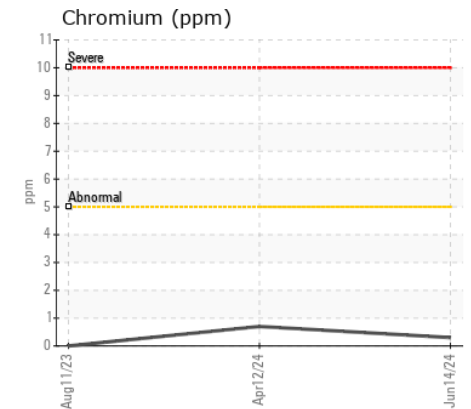
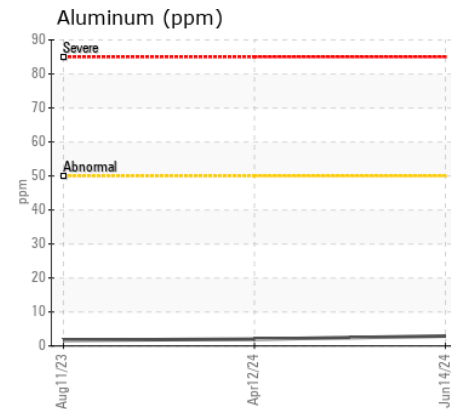
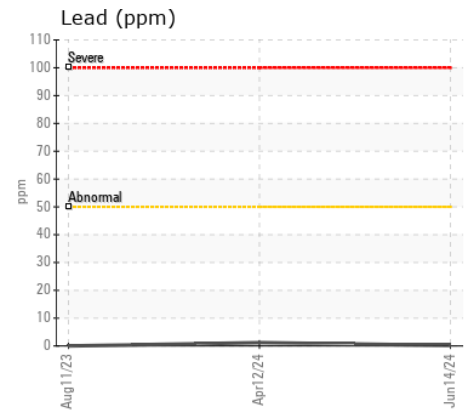
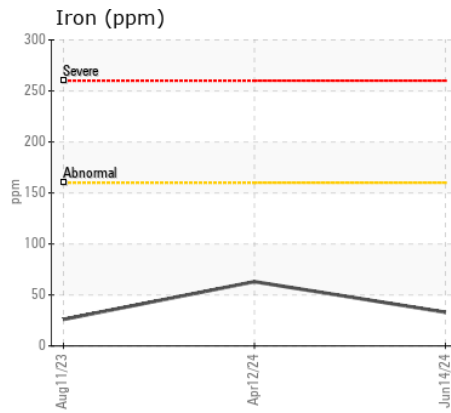
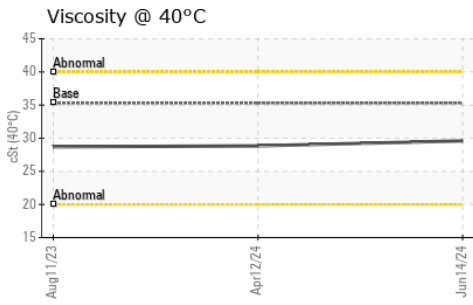
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	7	14	4
Potassium	ppm	ASTM D5185m	>20	7	15	1
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	7	2
Boron	ppm	ASTM D5185m	187	64	52	90
Barium	ppm	ASTM D5185m	0.0	<1	2	0
Molybdenum	ppm	ASTM D5185m	0.0	2	5	<1
Manganese	ppm	ASTM D5185m	0.0	5	13	<1
Magnesium	ppm	ASTM D5185m	6.8	11	22	7
Calcium	ppm	ASTM D5185m	215	52	41	118
Phosphorus	ppm	ASTM D5185m	445	193	146	210
Zinc	ppm	ASTM D5185m	56	66	88	24
Sulfur	ppm	ASTM D5185m	1336	2064	1946	2474
Visc @ 40°C	cSt	ASTM D445	35.3	29.6	28.84	28.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP454568
Lab Number : 06222690
Unique Number : 11100887
Test Package : MOB 1

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Wes Davis

FORESTRY RESOURCES
 4353 MICHIGAN LINK
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 US 33916
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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)