



CONSTRUCTION EQUIPMENT

VOLVO L90H 626609 - TRANSMISSION (AUTO)



Sample No: VCP450602
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP450602	VCP393309	---	---
Sample Date	20 May 2024	20 Oct 2023	---	---
Machine Hours	2388	770	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	27.3	28.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	11	10	---	---
Sodium	ppm	6	4	---	---
Potassium	ppm	3	2	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	237	100	---	---
Copper	ppm	11	6	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	7	6	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	78	77	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	31	15	---	---
Phosphorus	ppm	192	187	---	---
Barium	ppm	6	5	---	---
Boron	ppm	68	74	---	---

Depot: VOLVO0090
Unique No: 11056612
Signed: Sean Felton
Report Date: 31 May 2024

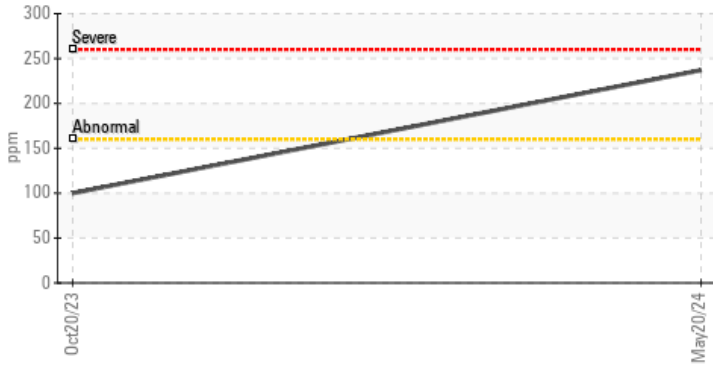


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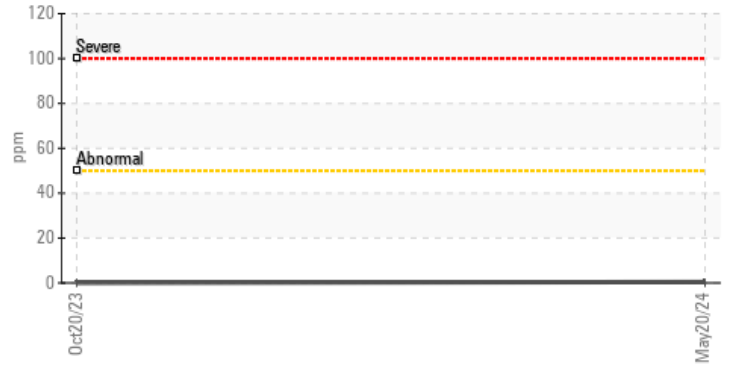


GRAPHS

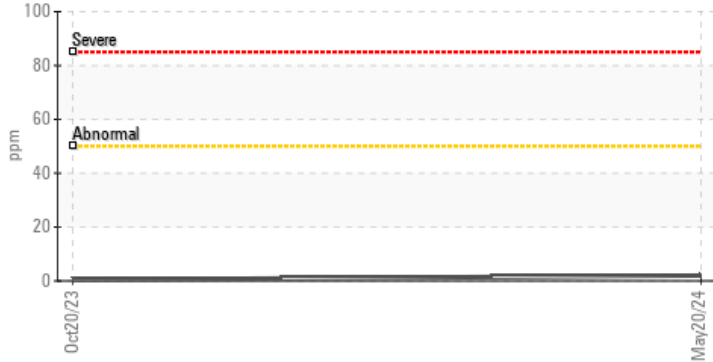
▲ Iron (ppm)



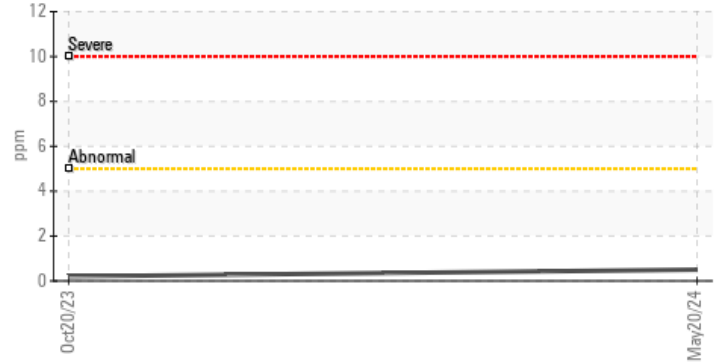
Lead (ppm)



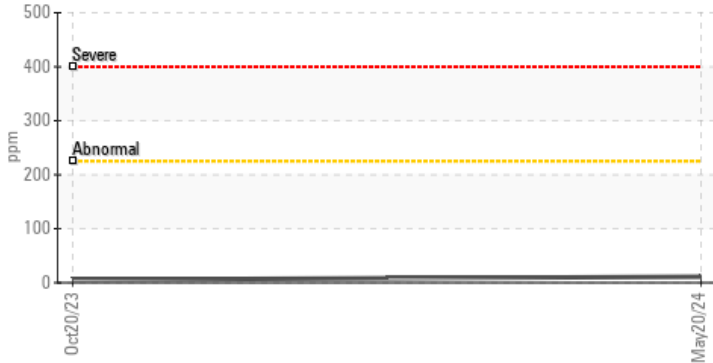
Aluminum (ppm)



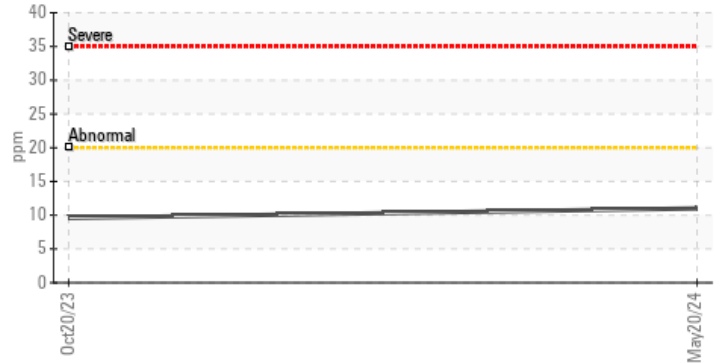
Chromium (ppm)



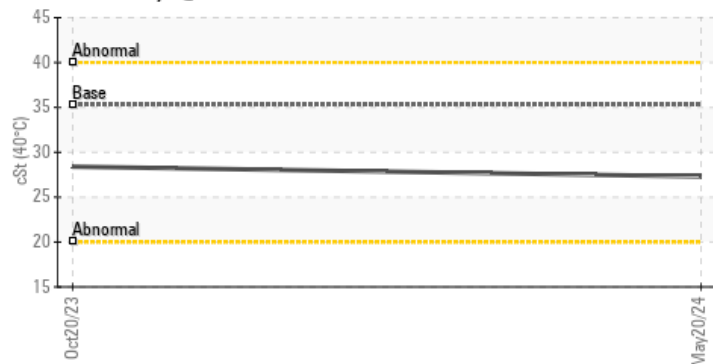
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

