



CONSTRUCTION EQUIPMENT

IMPACT AUTO 396842 VOLVO L90H 625974 - TRANSMISSION (AUTO)



Sample No: VCP450167
Oil Type: VOLVO AT 102
Job No: 396842



SAMPLE INFORMATION

Sample Number	VCP450167	VCP394035	VCP334119	---
Sample Date	04 Mar 2024	14 Dec 2023	29 Nov 2022	---
Machine Hours	4543	4045	2097	---
Oil Hours	500	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STRONGCO EQUIPMENT-EDMONTON

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OIL CONDITION

Visc @ 40°C	cSt	28.0	28.0	27.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	5	8	---
Sodium	ppm	2	4	5	---
Potassium	ppm	1	<1	2	---



WEAR METALS

PQ		---	---	0	---
Iron	ppm	31	70	108	---
Copper	ppm	5	9	11	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	4	10	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	71	79	85	---
Magnesium	ppm	1	3	3	---
Zinc	ppm	14	28	41	---
Phosphorus	ppm	198	201	213	---
Barium	ppm	0	<1	1	---
Boron	ppm	77	70	59	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO3908

Unique No: 5737070

Signed: Wes Davis

Report Date: 05 Mar 2024

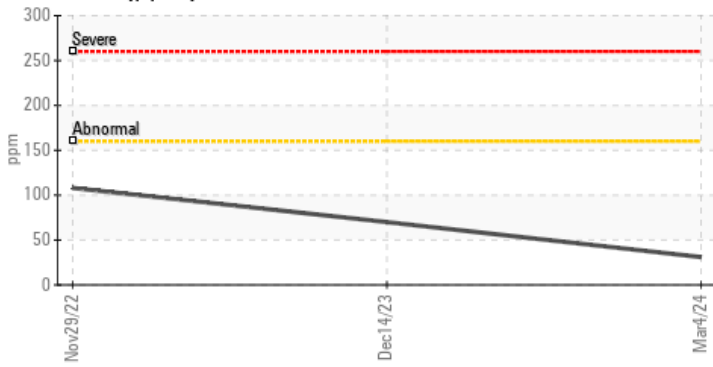


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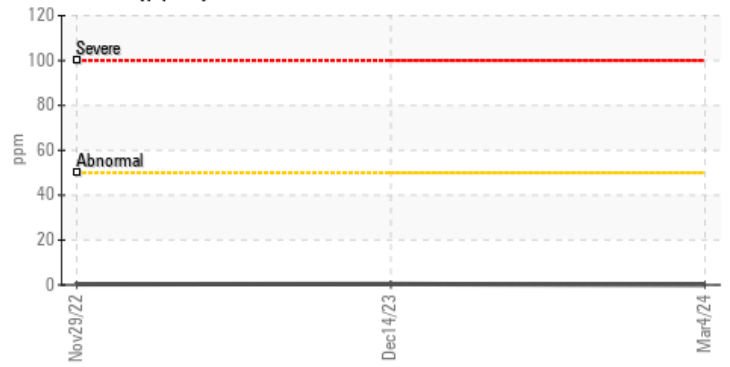


GRAPHS

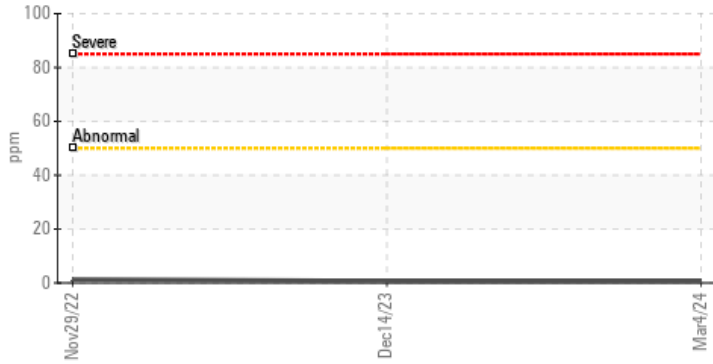
Iron (ppm)



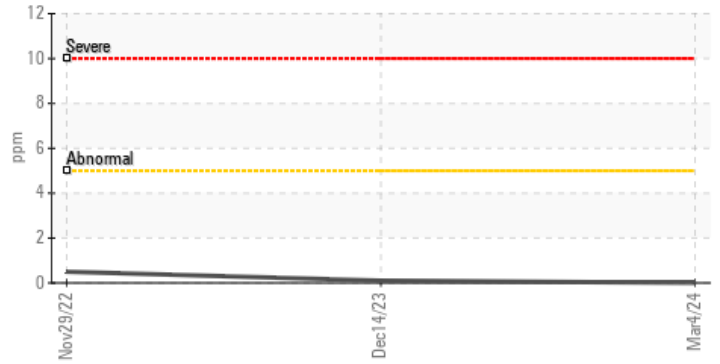
Lead (ppm)



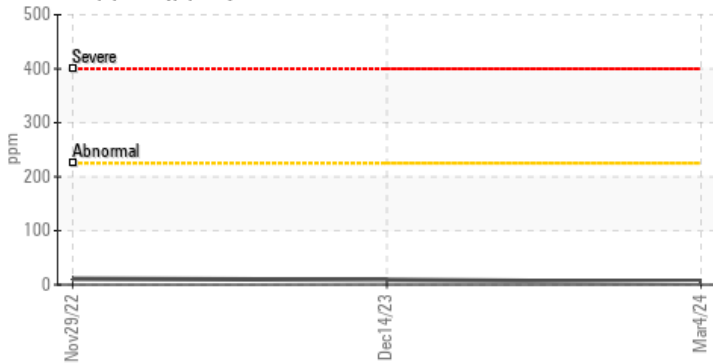
Aluminum (ppm)



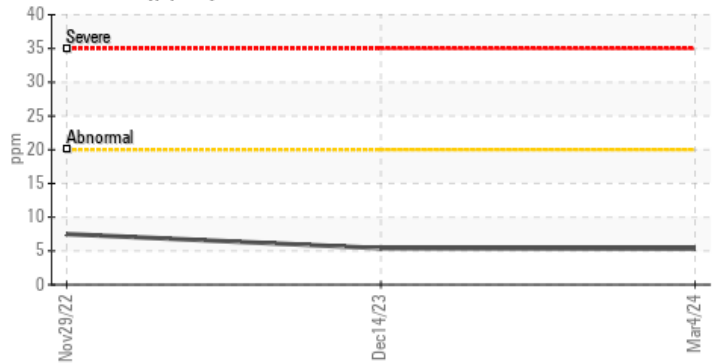
Chromium (ppm)



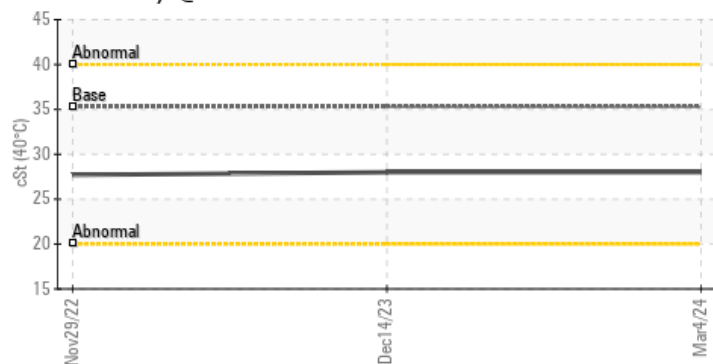
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

