



CONSTRUCTION EQUIPMENT

647199 ATLAS ORG VOLVO L70H 623753 - TRANSMISSION (AUTO)



Sample No: VCP432901
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 647199 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP432901	VCP418337	VCP417833	---
Sample Date	21 Dec 2023	12 Sep 2023	29 Jun 2023	---
Machine Hours	8081	7300	6718	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	SEVERE	SEVERE	---

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OIL CONDITION

Visc @ 40°C	cSt	27.56	27.6	26.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	9	17	---
Sodium	ppm	1	8	11	---
Potassium	ppm	2	2	4	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	335	677	---
Copper	ppm	6	9	15	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	7	8	---
Chromium	ppm	1	<1	2	---
Molybdenum	ppm	0	<1	1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	6	14	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	14	145	218	---
Magnesium	ppm	0	0	4	---
Zinc	ppm	240	31	136	---
Phosphorus	ppm	299	219	230	---
Barium	ppm	0	0	<1	---
Boron	ppm	0	53	29	---

Depot: VOLVO0096
Unique No: 10808700
Signed: Jonathan Hester
Report Date: 04 Jan 2024

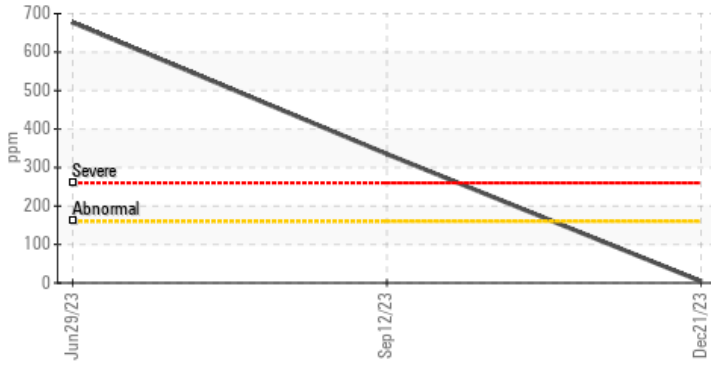


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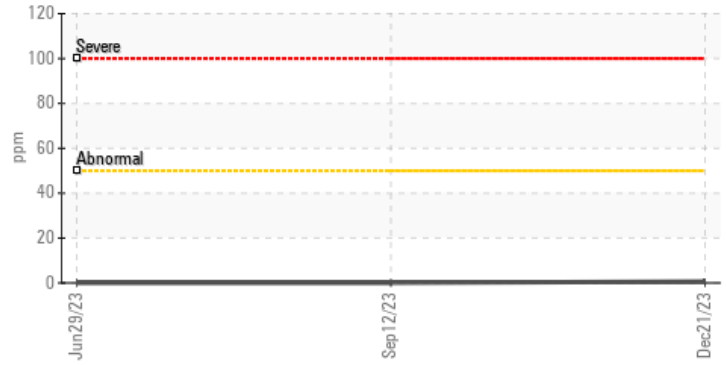


GRAPHS

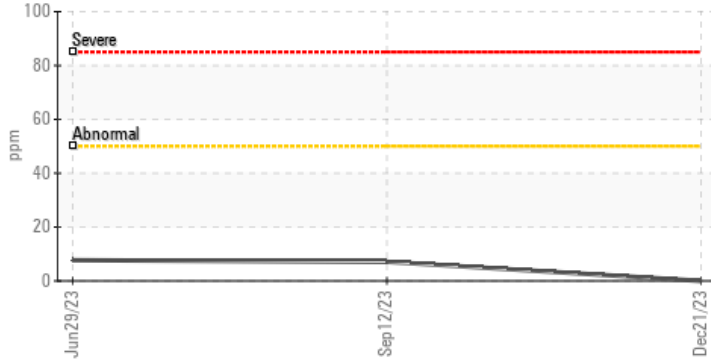
Iron (ppm)



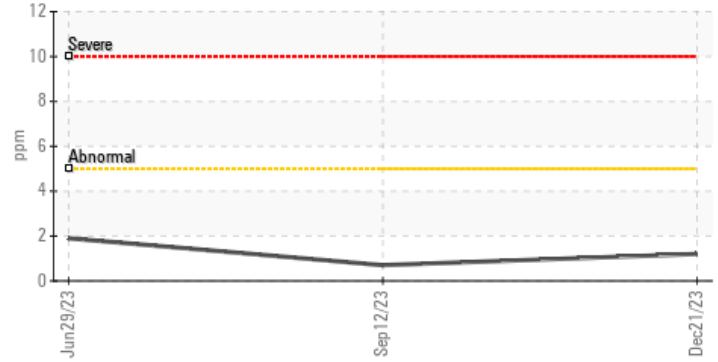
Lead (ppm)



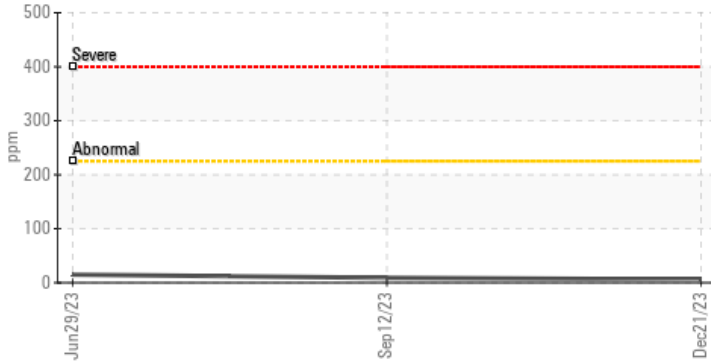
Aluminum (ppm)



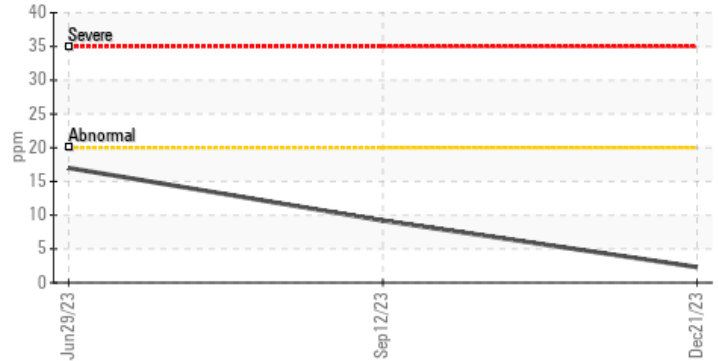
Chromium (ppm)



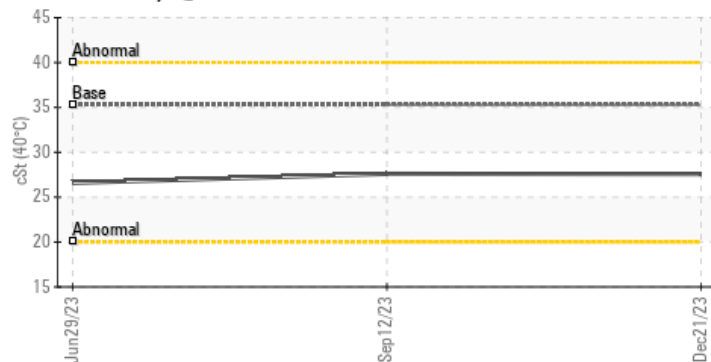
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

