



CONSTRUCTION EQUIPMENT

661922 APTIM VOLVO A35G 340227 - BRAKE COOLING SYSTEM



Sample No: VCP441870
Oil Type: VOLVO WB 102
Job No: 661922 APTIM



SAMPLE INFORMATION

Sample Number	VCP441870	VCP417008	VCP395753	---
Sample Date	31 Jan 2024	27 Jul 2023	01 Feb 2023	---
Machine Hours	8398	7611	6647	---
Oil Hours	500	4000	2000	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	51.9	39.6	47.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	16	5	13	---
Sodium	ppm	8	0	3	---
Potassium	ppm	2	2	0	---

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	16	21	44	---
Copper	ppm	54	13	▲ 301	---
Lead	ppm	0	4	2	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	<1	1	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	2	1	4	---
Nickel	ppm	1	<1	4	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	3883	318	3307	---
Magnesium	ppm	16	7	32	---
Zinc	ppm	1663	485	1349	---
Phosphorus	ppm	1170	389	1113	---
Barium	ppm	0	0	0	---
Boron	ppm	114	2	90	---

Depot: VOLVO0093
Unique No: 10901561
Signed: Sean Felton
Report Date: 01 Mar 2024

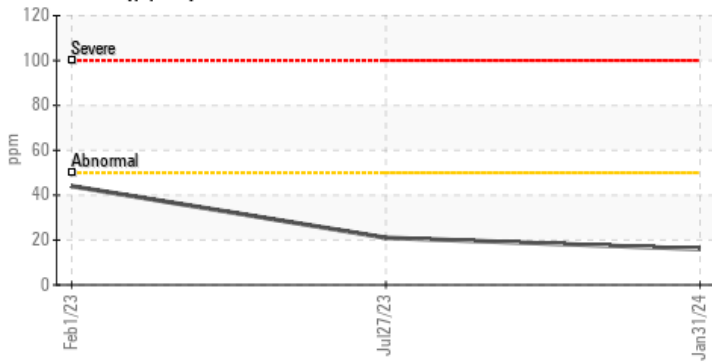


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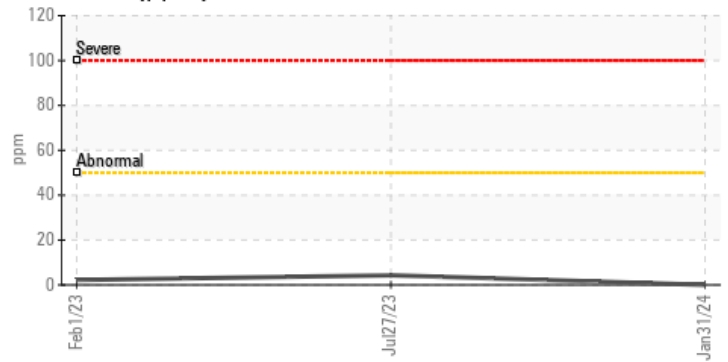


GRAPHS

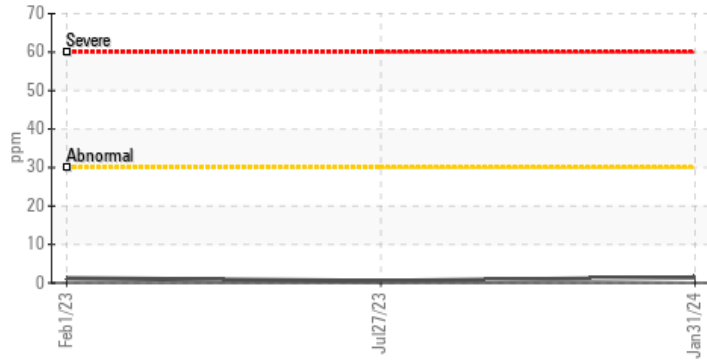
Iron (ppm)



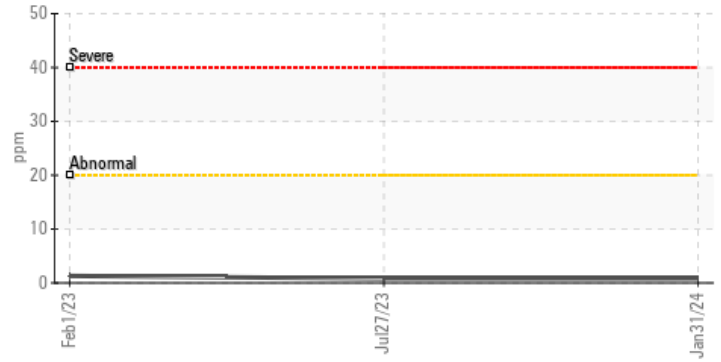
Lead (ppm)



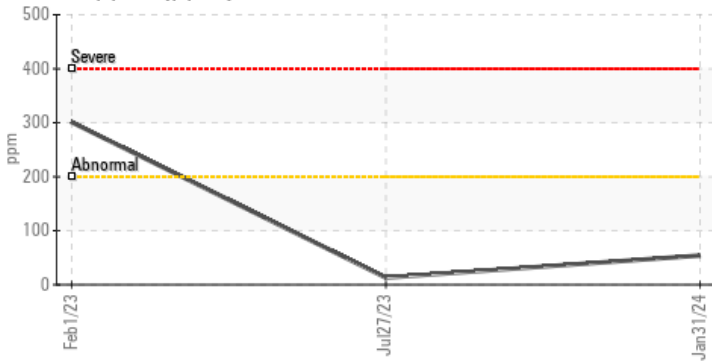
Aluminum (ppm)



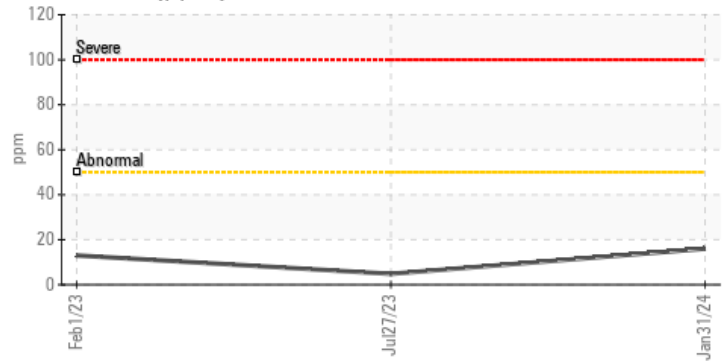
Chromium (ppm)



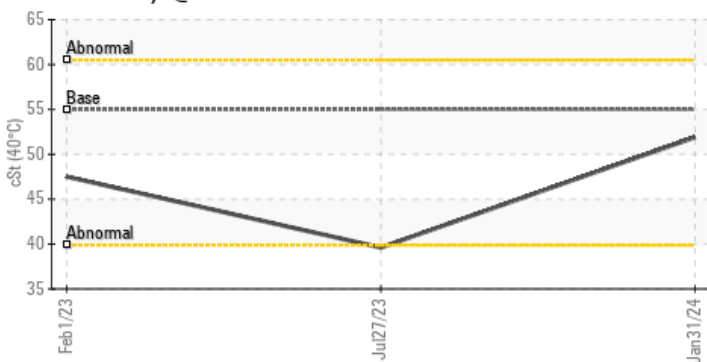
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

