



CONSTRUCTION EQUIPMENT

659887 APTIM VOLVO A35G 340139 - BRAKE COOLING SYSTEM



Sample No: VCP432122
Oil Type: VOLVO WB 102
Job No: 659887 APTIM



SAMPLE INFORMATION

Sample Number	VCP432122	VCP398028	VCP398109	---
Sample Date	11 Jan 2024	23 May 2023	09 Feb 2023	---
Machine Hours	12883	11970	11400	---
Oil Hours	1000	4000	3000	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	44.7	40.3	41.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	11	16	17	---
Sodium	ppm	0	7	8	---
Potassium	ppm	2	0	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	33	33	---
Copper	ppm	65	▲ 473	▲ 494	---
Lead	ppm	<1	1	2	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	0	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	6	6	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3408	3271	3064	---
Magnesium	ppm	14	9	9	---
Zinc	ppm	1538	1424	1285	---
Phosphorus	ppm	1142	1235	1084	---
Barium	ppm	10	0	0	---
Boron	ppm	97	100	97	---

Depot: VOLVO0093
Unique No: 10886635
Signed: Sean Felton
Report Date: 21 Feb 2024

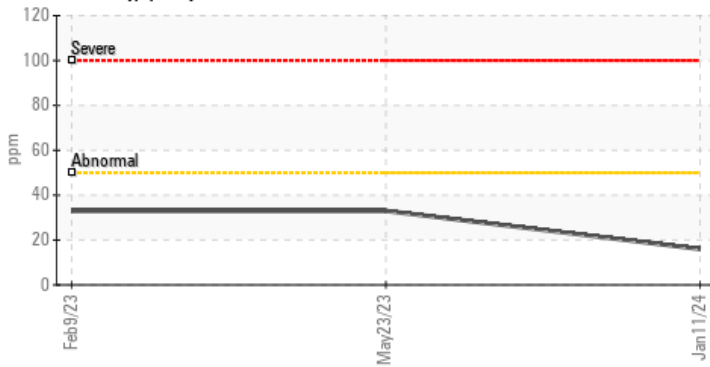


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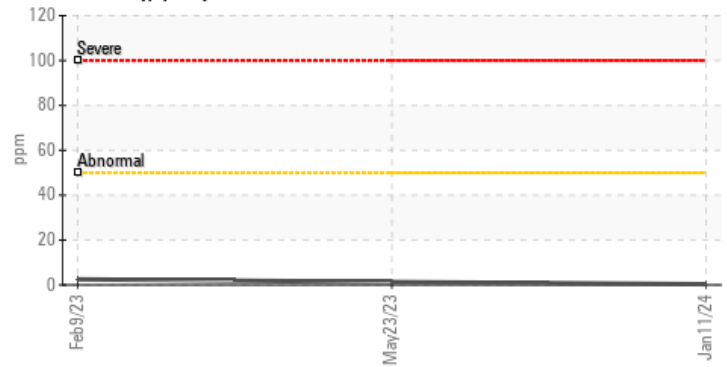


GRAPHS

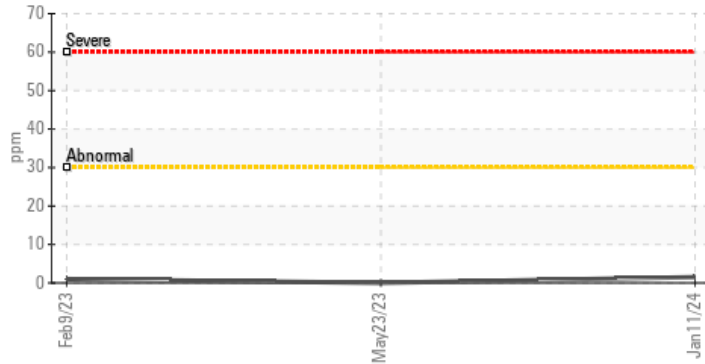
Iron (ppm)



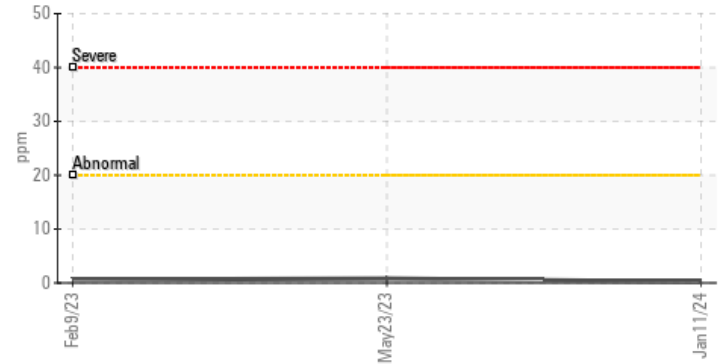
Lead (ppm)



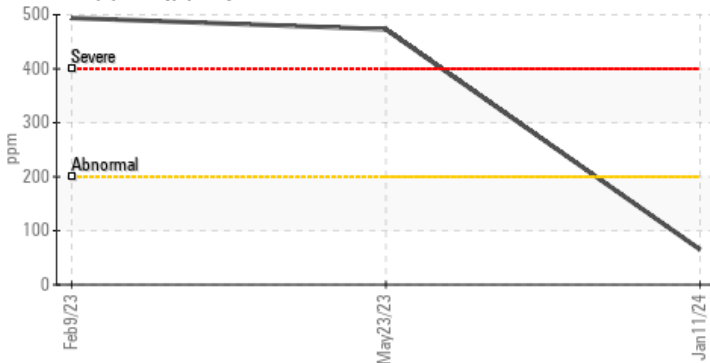
Aluminum (ppm)



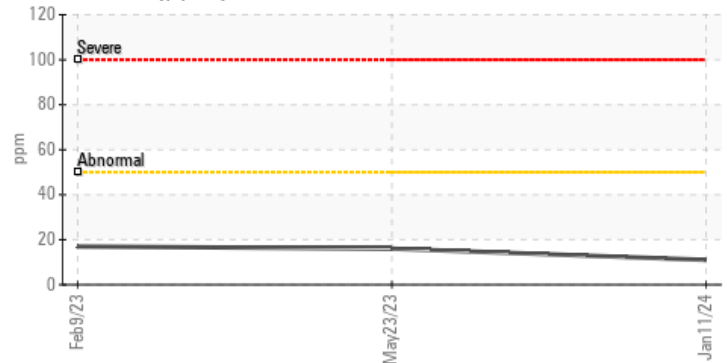
Chromium (ppm)



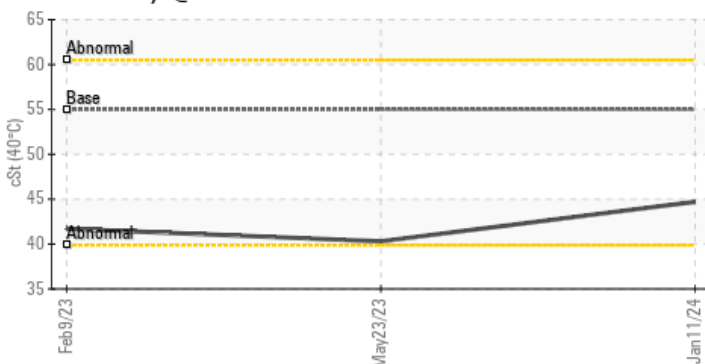
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

