



CONSTRUCTION EQUIPMENT

701157 APTIM VOLVO A35G 340101 - BRAKE COOLING SYSTEM



Sample No: VCP451481
Oil Type: VOLVO WB 102
Job No: 701157 APTIM



SAMPLE INFORMATION

Sample Number	VCP451481	VCP412104	VCP395755	---
Sample Date	12 Apr 2024	24 May 2023	31 Jan 2023	---
Machine Hours	9074	7984	7430	---
Oil Hours	1500	4000	3400	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	46.1	40.7	41.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	14	21	20	---
Sodium	ppm	<1	0	4	---
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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	23	44	53	---
Copper	ppm	69	411	373	---
Lead	ppm	<1	1	2	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	1	<1	<1	---
Nickel	ppm	<1	6	6	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	3700	3557	3425	---
Magnesium	ppm	18	7	11	---
Zinc	ppm	1526	1464	1378	---
Phosphorus	ppm	1339	1298	1209	---
Barium	ppm	0	0	0	---
Boron	ppm	131	108	101	---

Depot: VOLVO0093
Unique No: 11036610
Signed: Sean Felton
Report Date: 22 May 2024

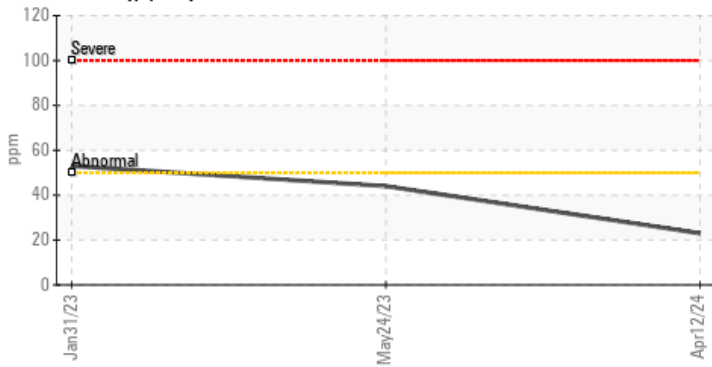


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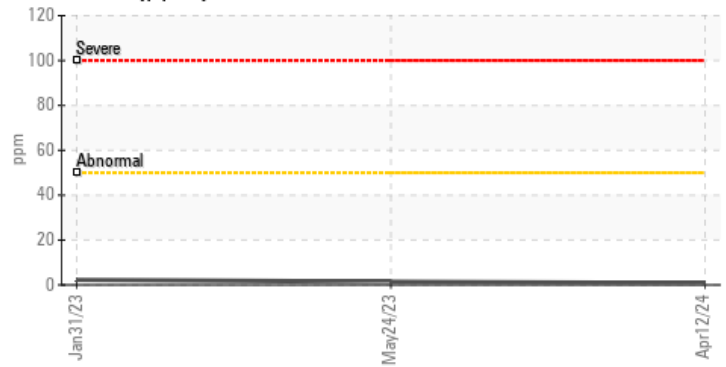


GRAPHS

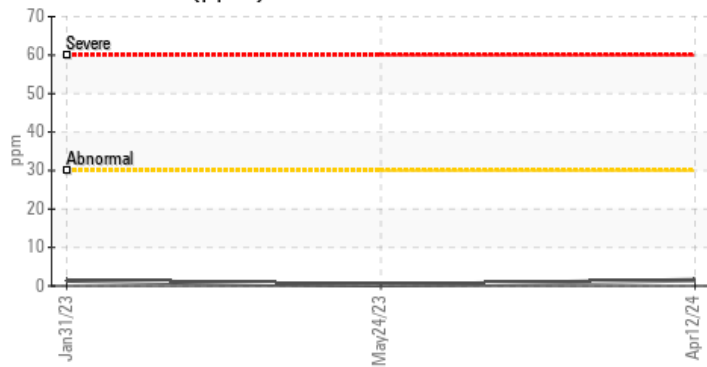
Iron (ppm)



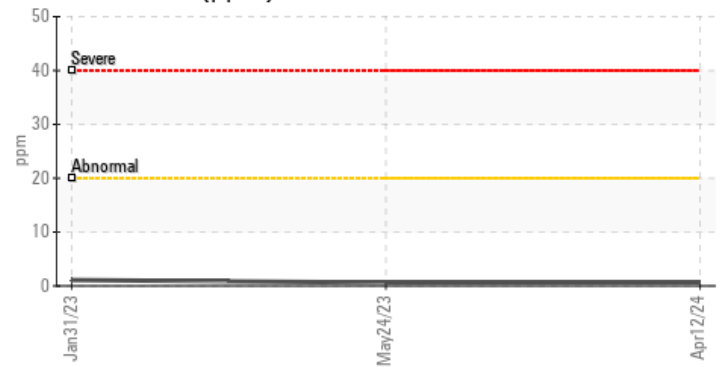
Lead (ppm)



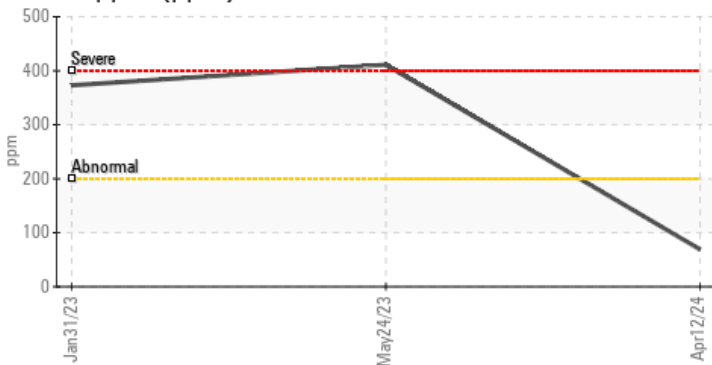
Aluminum (ppm)



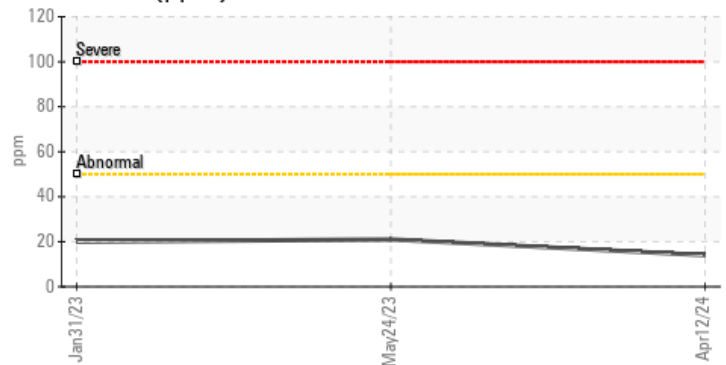
Chromium (ppm)



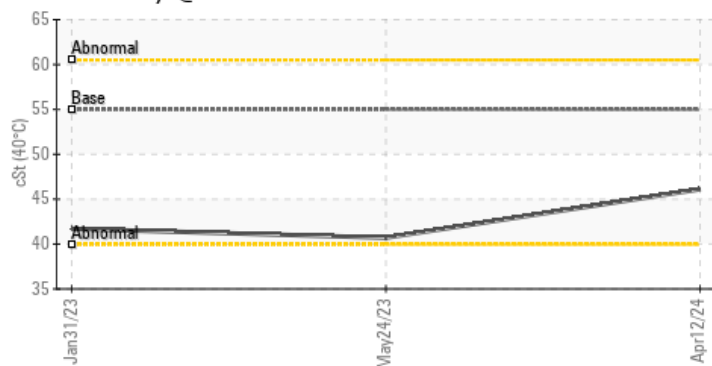
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

