



CONSTRUCTION EQUIPMENT

567073 APTIM VOLVO A35G 340232 - BRAKE COOLING SYSTEM



Sample No: VCP417311
Oil Type: VOLVO WB 102
Job No: 567073 APTIM



SAMPLE INFORMATION

Sample Number	VCP417311	VCP424885	VCP373180	---
Sample Date	23 Jun 2023	16 Mar 2023	26 May 2022	---
Machine Hours	7810	7309	6196	---
Oil Hours	4000	3309	2000	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.1	42.0	41.8	---
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CONTAMINATION

Silicon	ppm	12	14	13	---
Sodium	ppm	5	5	4	---
Potassium	ppm	0	0	<1	---



WEAR METALS

Iron	ppm	48	52	43	---
Copper	ppm	366	382	374	---
Lead	ppm	<1	<1	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	1	<1	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	2	2	2	---
Nickel	ppm	5	6	4	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	3	3	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3411	3384	3401	---
Magnesium	ppm	26	26	24	---
Zinc	ppm	1440	1410	1468	---
Phosphorus	ppm	1312	1290	1249	---
Barium	ppm	0	0	0	---
Boron	ppm	112	118	132	---

Diagnosis

The fluid change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

Depot: VOLVO0093
Unique No: 10573585
Signed: Don Baldrige
Report Date: 27 Jul 2023

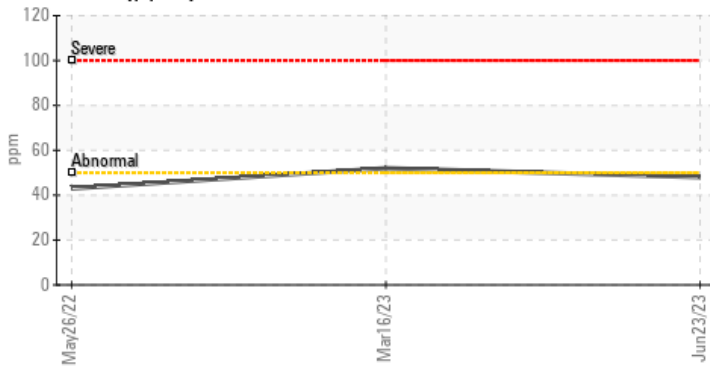


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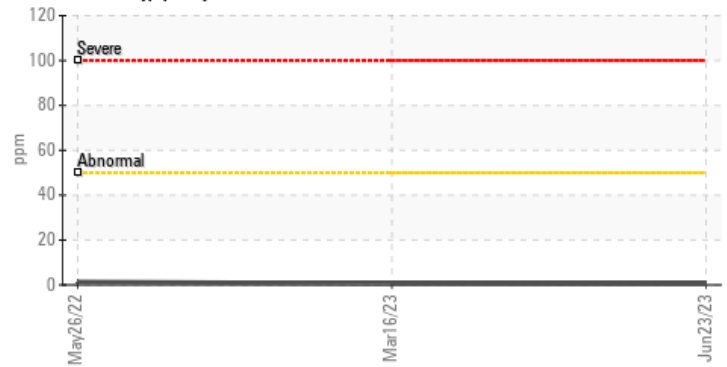


GRAPHS

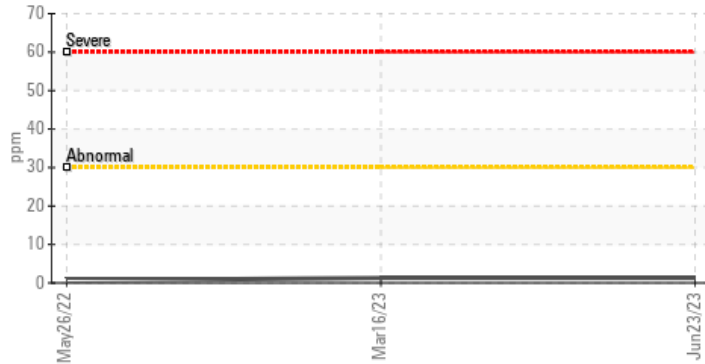
Iron (ppm)



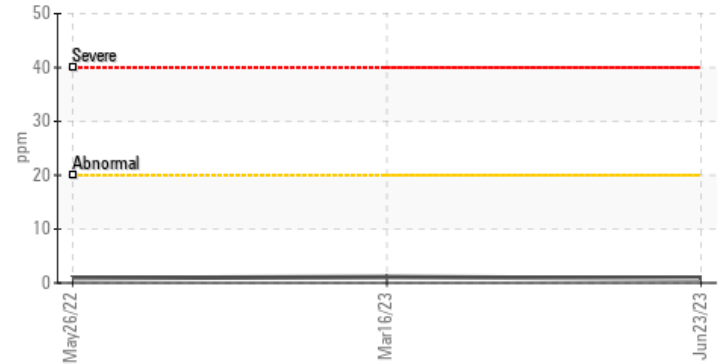
Lead (ppm)



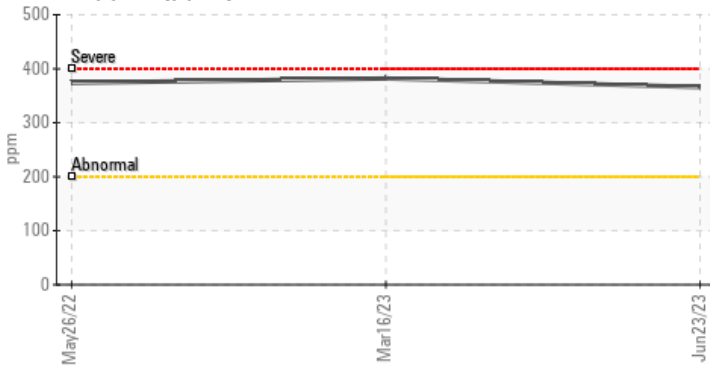
Aluminum (ppm)



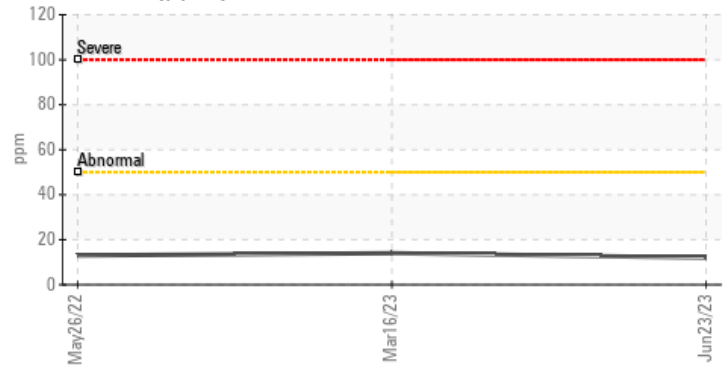
Chromium (ppm)



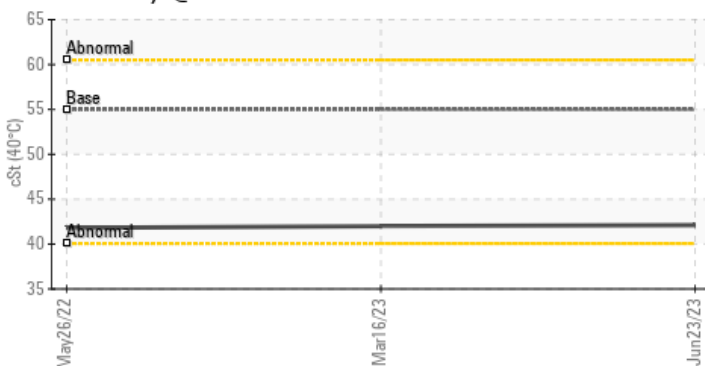
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

