



CONSTRUCTION EQUIPMENT

567435 APTIM VOLVO A35G 340070 - BRAKE COOLING SYSTEM



Sample No: VCP418275
Oil Type: VOLVO WB 102
Job No: 567435 APTIM



SAMPLE INFORMATION

Sample Number	VCP418275	VCP422479	VCP386636	---
Sample Date	26 Jun 2023	19 Apr 2023	08 Nov 2022	---
Machine Hours	8469	7985	6869	---
Oil Hours	4000	2000	2000	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.3	41.5	41.6	---
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CONTAMINATION

Silicon	ppm	13	18	23	---
Sodium	ppm	5	6	5	---
Potassium	ppm	0	2	0	---



WEAR METALS

Iron	ppm	27	20	26	---
Copper	ppm	415	399	425	---
Lead	ppm	<1	6	11	---
Tin	ppm	0	<1	2	---
Aluminum	ppm	<1	<1	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	1	---
Nickel	ppm	3	4	4	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	2	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	3577	3725	3721	---
Magnesium	ppm	9	13	12	---
Zinc	ppm	1496	1580	1489	---
Phosphorus	ppm	1294	1331	1329	---
Barium	ppm	0	0	0	---
Boron	ppm	114	119	113	---

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: 10573589
Signed: Don Baldrige
Report Date: 27 Jul 2023

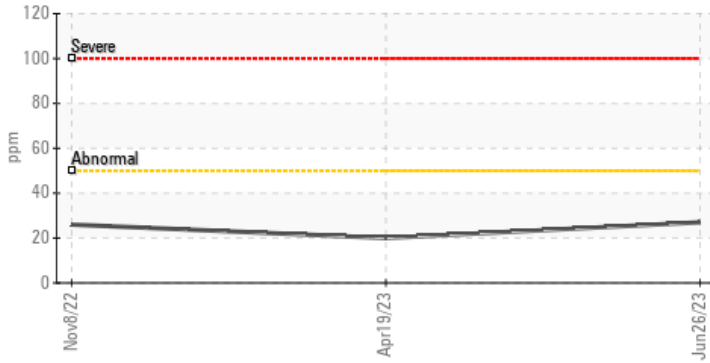


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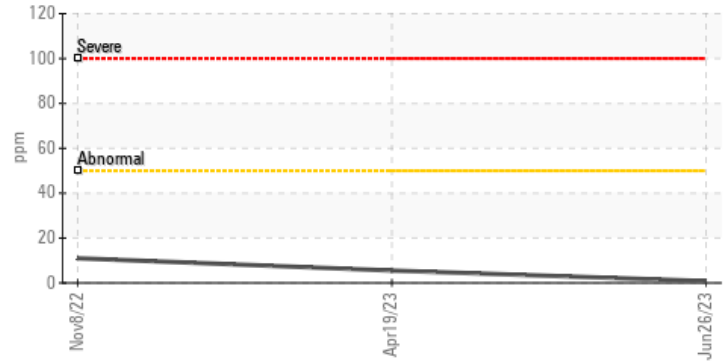


GRAPHS

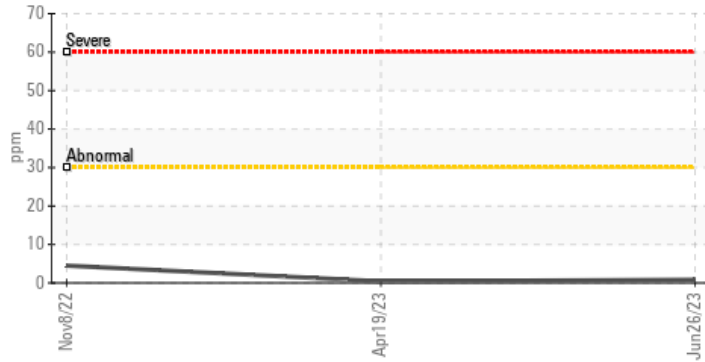
Iron (ppm)



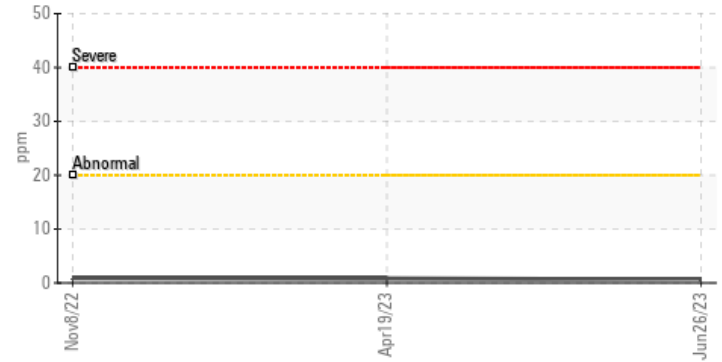
Lead (ppm)



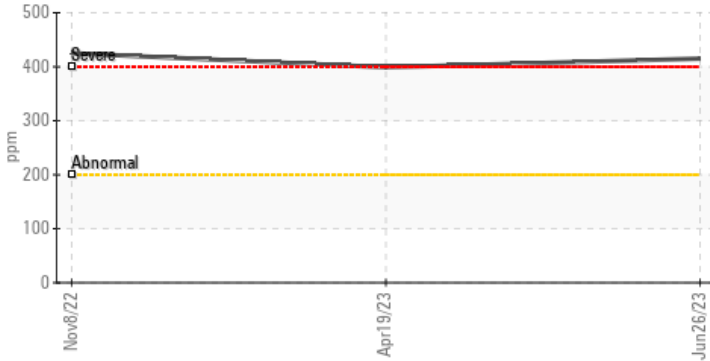
Aluminum (ppm)



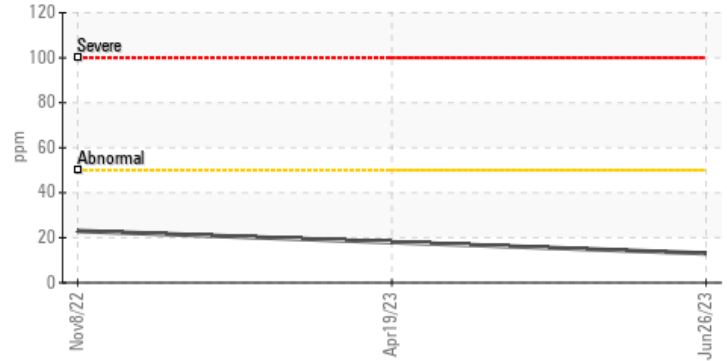
Chromium (ppm)



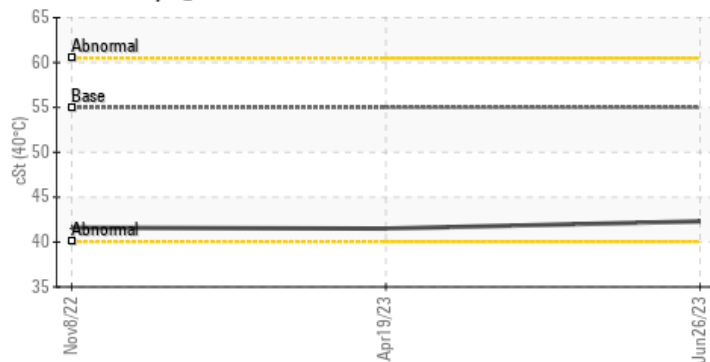
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

