



CONSTRUCTION EQUIPMENT

554300 APTIM VOLVO A35G 340101 - BRAKE COOLING SYSTEM



Sample No: VCP412104
Oil Type: VOLVO WB 102
Job No: 554300 APTIM



SAMPLE INFORMATION

Sample Number	VCP412104	VCP395755	---	---
Sample Date	24 May 2023	31 Jan 2023	---	---
Machine Hours	7984	7430	---	---
Oil Hours	4000	3400	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

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

Water	%	NEG	NEG	---	---
Silicon	ppm	21	20	---	---
Sodium	ppm	0	4	---	---
Potassium	ppm	2	0	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	3557	3425	---	---
Magnesium	ppm	7	11	---	---
Zinc	ppm	1464	1378	---	---
Phosphorus	ppm	1298	1209	---	---
Barium	ppm	0	0	---	---
Boron	ppm	108	101	---	---

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: 10526247
Signed: Don Baldrige
Report Date: 26 Jun 2023

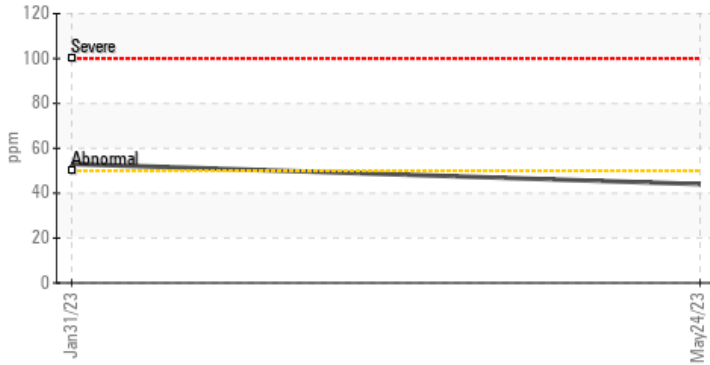


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GRAPHS

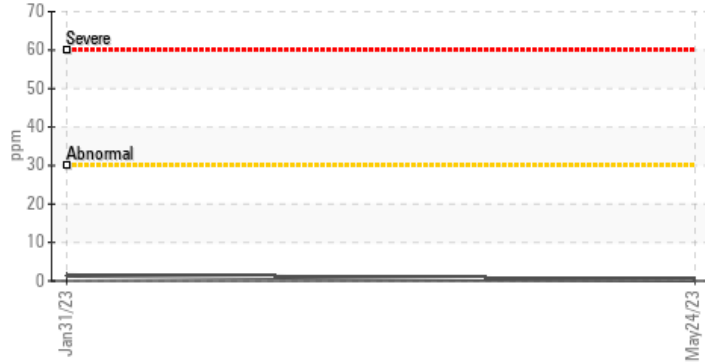
Iron (ppm)



Lead (ppm)



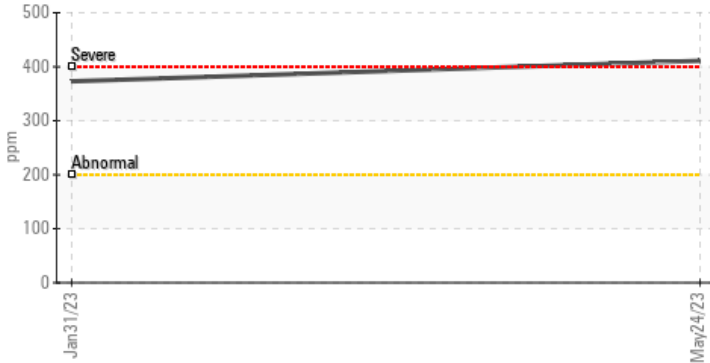
Aluminum (ppm)



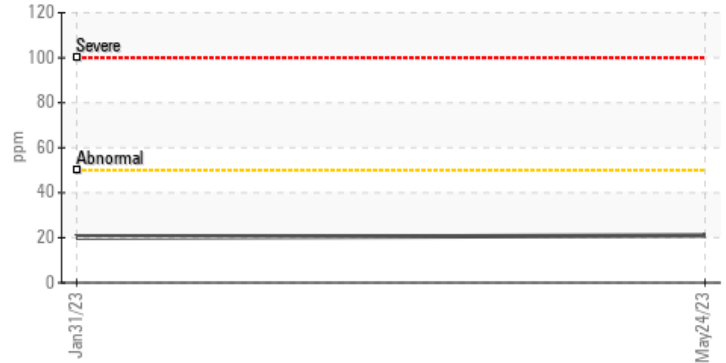
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

