



CONSTRUCTION EQUIPMENT

594615 APTIM VOLVO A30G 740273 - BRAKE COOLING SYSTEM



Sample No: VCP414199
Oil Type: VOLVO WB 102
Job No: 594615 APTIM



SAMPLE INFORMATION

Sample Number	VCP414199	VCP364402	---	---
Sample Date	22 Aug 2023	01 Sep 2022	---	---
Machine Hours	11091	10152	---	---
Oil Hours	4000	2000	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.8	41.7	---	---
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CONTAMINATION

Silicon	ppm	11	11	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	12	7	---	---
Copper	ppm	238	238	---	---
Lead	ppm	2	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	<1	1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3337	3909	---	---
Magnesium	ppm	27	28	---	---
Zinc	ppm	1470	1643	---	---
Phosphorus	ppm	1223	1364	---	---
Barium	ppm	0	2	---	---
Boron	ppm	127	129	---	---

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: 10669037
Signed: Don Baldrige
Report Date: 28 Sep 2023

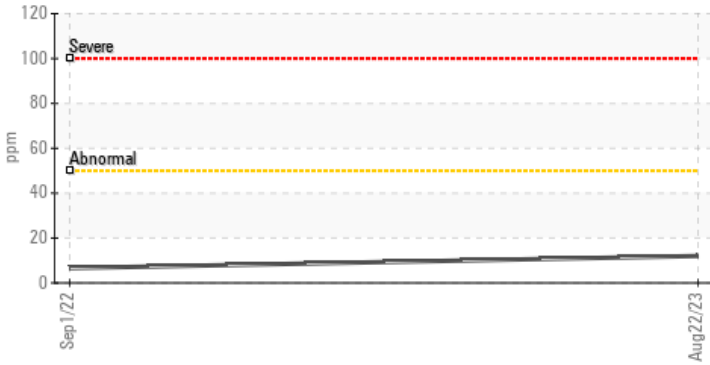


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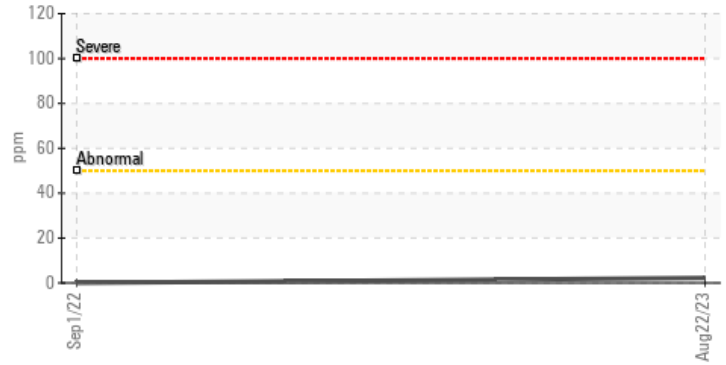


GRAPHS

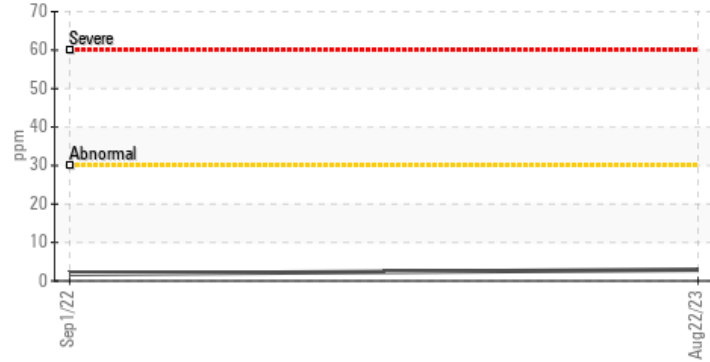
Iron (ppm)



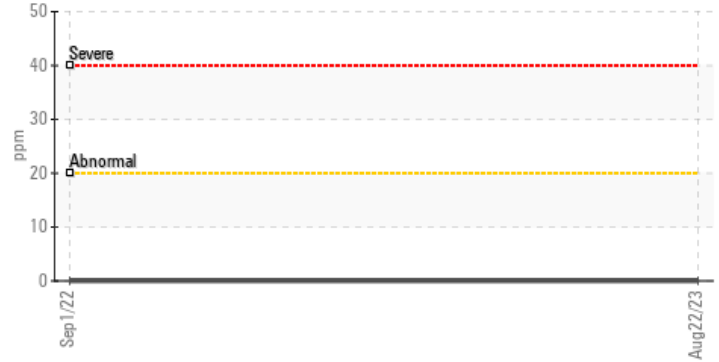
Lead (ppm)



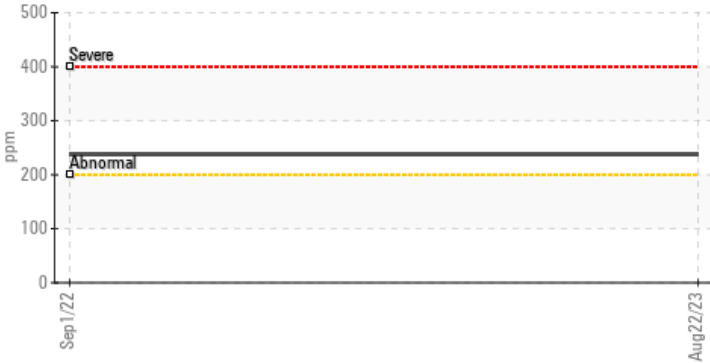
Aluminum (ppm)



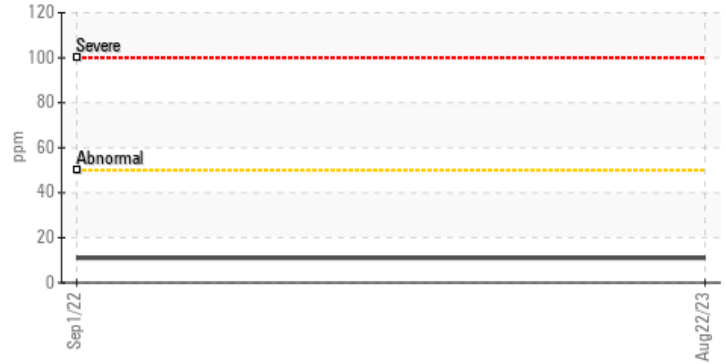
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

