



CONSTRUCTION EQUIPMENT

W07012289-1 VOLVO A40G 341458 - BRAKE COOLING SYSTEM



Sample No: VCP399849
Oil Type: VOLVO WB 102
Job No: W07012289-1



SAMPLE INFORMATION

Sample Number	VCP399849	VCP250742	---	---
Sample Date	23 Feb 2023	26 Jun 2019	---	---
Machine Hours	6947	3981	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	█ 40.7	█ 40.9	---	---
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CONTAMINATION

Silicon	ppm	█ 12	█ 15	---	---
Sodium	ppm	█ 4	█ 6	---	---
Potassium	ppm	█ <1	█ <1	---	---



WEAR METALS

Iron	ppm	█ 30	█ 26	---	---
Copper	ppm	▲ 328	▲ 224	---	---
Lead	ppm	█ 1	█ 2	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 2	█ 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3607	█ 3509	---	---
Magnesium	ppm	█ 11	█ 9	---	---
Zinc	ppm	█ 1469	█ 1366	---	---
Phosphorus	ppm	█ 1207	█ 1200	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 133	█ 98	---	---

Diagnosis

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: VOLVO8882
Unique No: 10351072
Signed: Angela Borella
Report Date: 27 Feb 2023

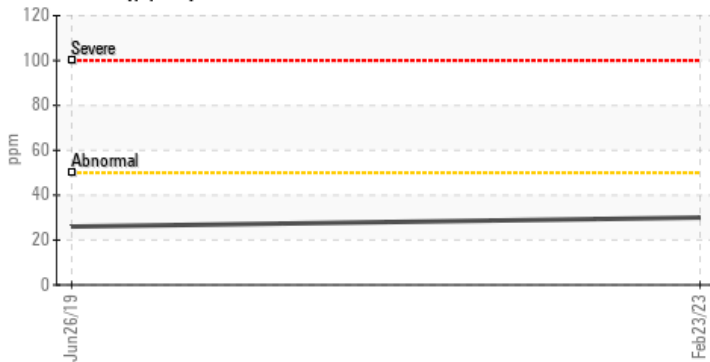


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GRAPHS

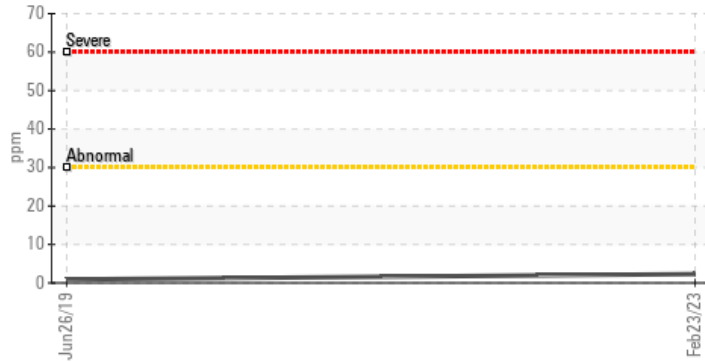
Iron (ppm)



Lead (ppm)



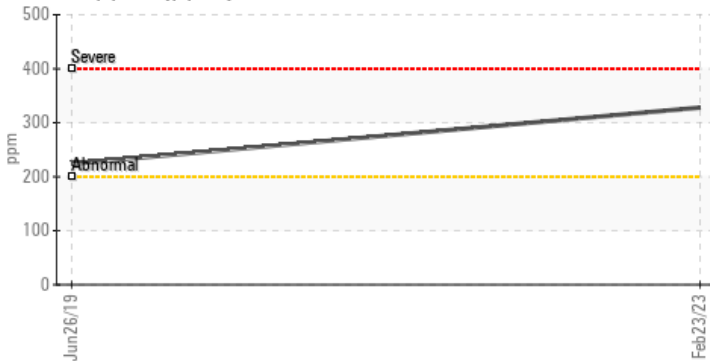
Aluminum (ppm)



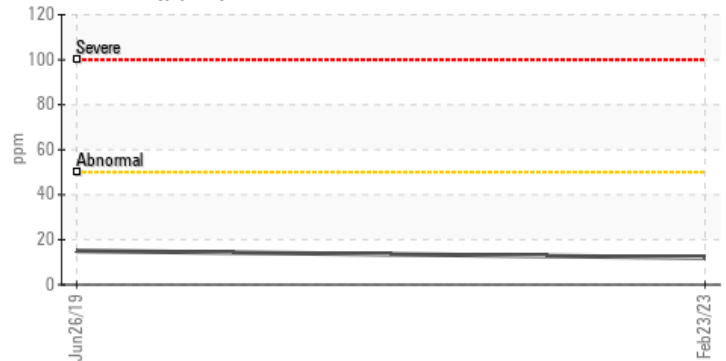
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

