



CONSTRUCTION EQUIPMENT

SWA413863 RENTAL VOLVO A45GFS 352236 - BRAKE COOLING SYSTEM



Sample No: VCP440634
Oil Type: VOLVO WB 102
Job No: SWA413863 RENTAL



SAMPLE INFORMATION

Sample Number	VCP440634	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	7297	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ <1	---	---	---

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.



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	▲ 278	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 3174	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 1391	---	---	---
Phosphorus	ppm	█ 1210	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 107	---	---	---

Depot: VOLVO0093
Unique No: 10765296
Signed: Don Baldrige
Report Date: 03 Dec 2023

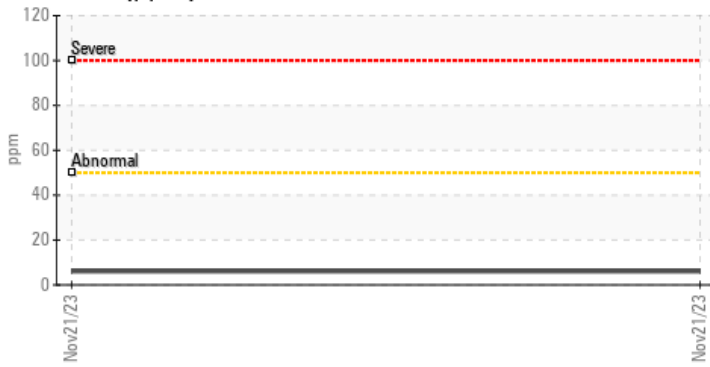


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GRAPHS

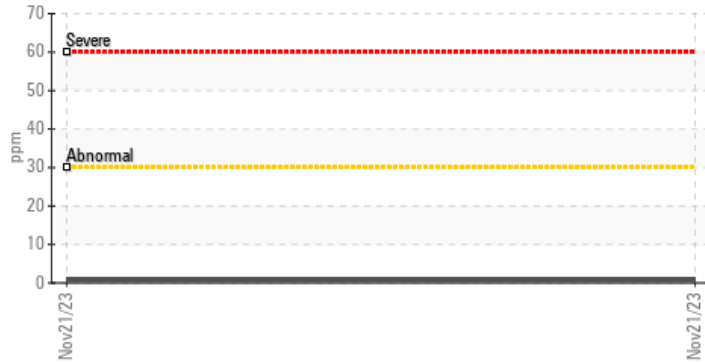
Iron (ppm)



Lead (ppm)



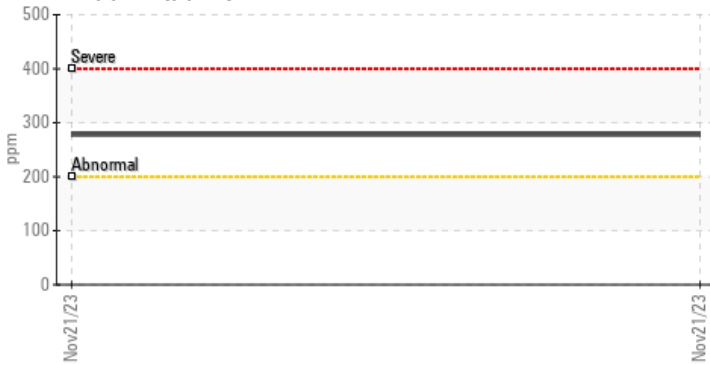
Aluminum (ppm)



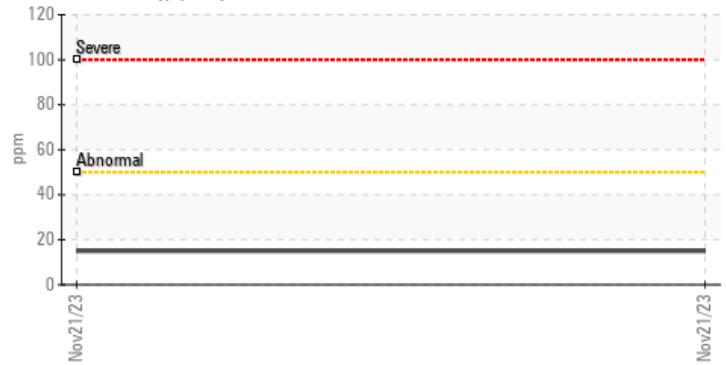
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

