



CONSTRUCTION EQUIPMENT

SWO-067073 VOLVO A45G 352702 - BRAKE COOLING SYSTEM



Sample No: VCP428896
Oil Type: TRANSAXLE OIL SAE 75W80
Job No: SWO-067073



SAMPLE INFORMATION

Sample Number	VCP428896	VCP329993	VCP290232	---
Sample Date	07 Nov 2023	13 Jan 2022	02 Aug 2021	---
Machine Hours	3950	983	456	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	40.0	39.9	40.1	---
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CONTAMINATION

Silicon	ppm	21	18	16	---
Sodium	ppm	10	6	13	---
Potassium	ppm	<1	<1	1	---



WEAR METALS

Iron	ppm	22	13	10	---
Copper	ppm	127	22	3	---
Lead	ppm	1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	2	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	6	3	3	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3162	3767	4167	---
Magnesium	ppm	11	9	8	---
Zinc	ppm	1447	1568	1534	---
Phosphorus	ppm	1286	1260	1366	---
Barium	ppm	0	0	0	---
Boron	ppm	107	115	156	---

Diagnosis

Oil and filter 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. An increase in the copper level is noted. 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: SAIBIR
Unique No: 10739710
Signed: Sean Felton
Report Date: 15 Nov 2023

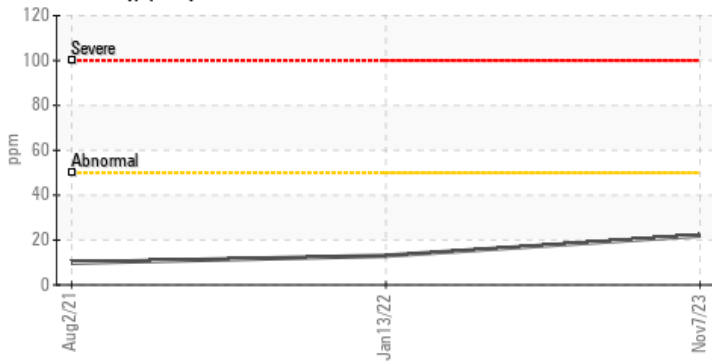


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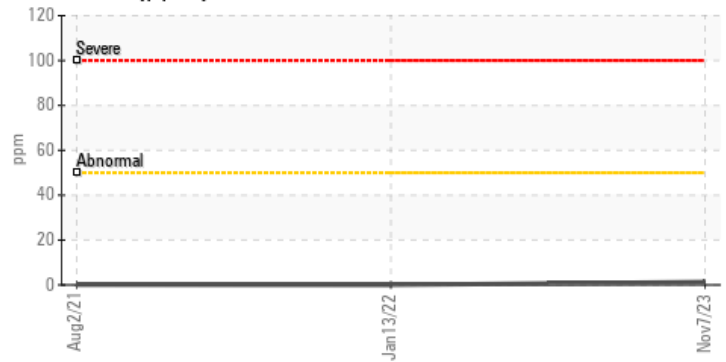


GRAPHS

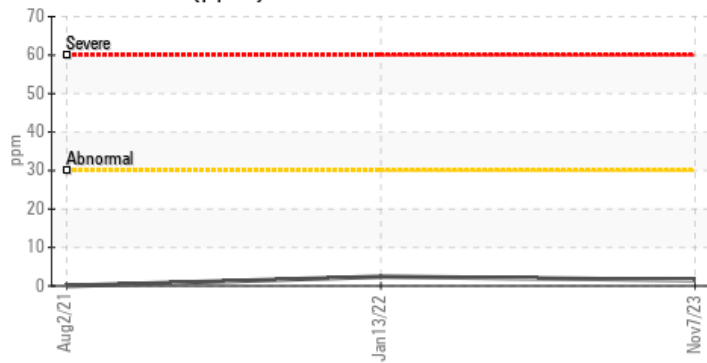
Iron (ppm)



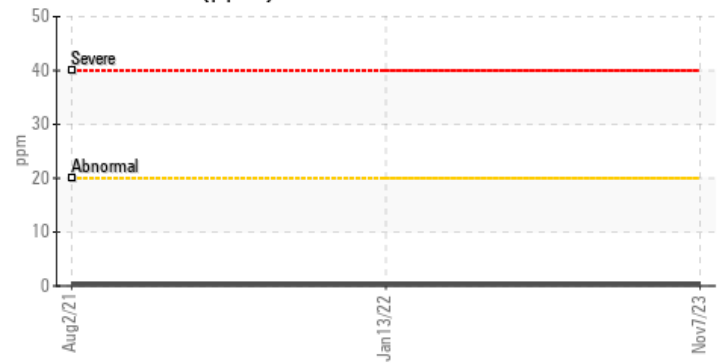
Lead (ppm)



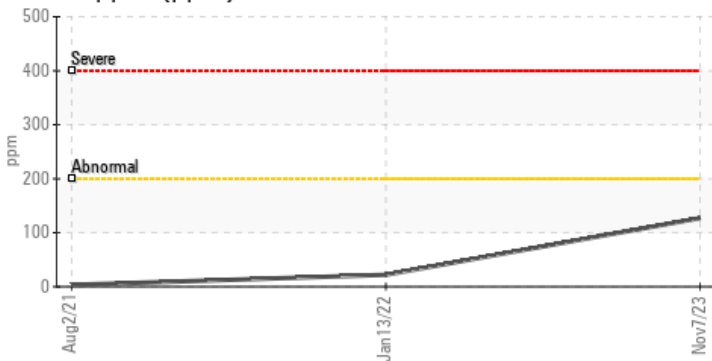
Aluminum (ppm)



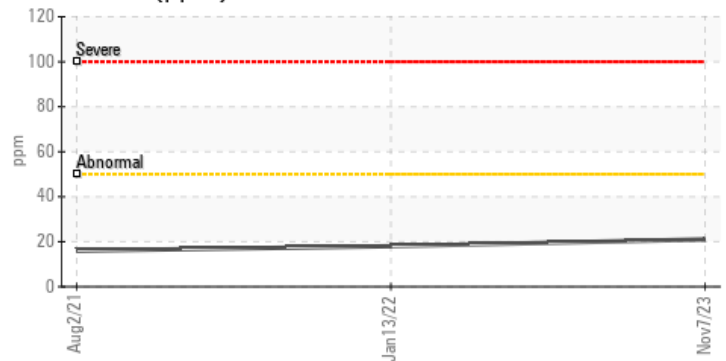
Chromium (ppm)



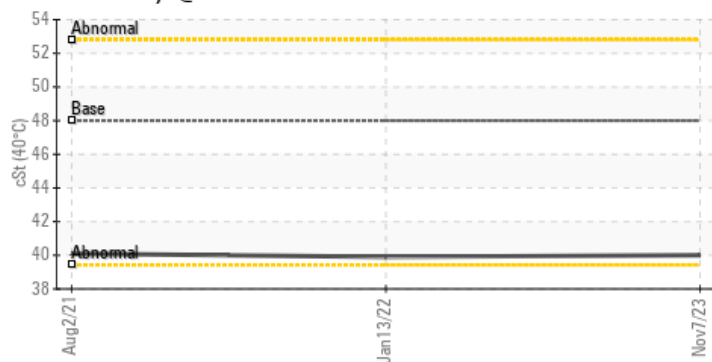
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

