



CONSTRUCTION EQUIPMENT

SW0067072 VOLVO A25G 742272 - WET DISC BRAKE



Sample No: VCP408621
Oil Type: VOLVO WB 102
Job No: SW0067072



SAMPLE INFORMATION

Sample Number	VCP408621	VCP408710	VCP369848	---
Sample Date	27 Oct 2023	09 Jun 2023	10 Feb 2023	---
Machine Hours	6239	5780	5326	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	48.1	48.5	48.6	---
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CONTAMINATION

Water	%	---	---	▲ 0.183	---
Silicon	ppm	17	17	19	---
Sodium	ppm	6	5	6	---
Potassium	ppm	1	0	0	---

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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	20	20	22	---
Copper	ppm	▲ 265	▲ 251	▲ 265	---
Lead	ppm	0	0	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	3	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	2	3	5	---
Nickel	ppm	1	<1	1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2768	2970	3129	---
Magnesium	ppm	49	37	41	---
Zinc	ppm	1246	1295	1282	---
Phosphorus	ppm	1027	1081	1052	---
Barium	ppm	0	0	0	---
Boron	ppm	87	88	103	---

Depot: SAIBIR
Unique No: 10723049
Signed: Don Baldrige
Report Date: 01 Nov 2023

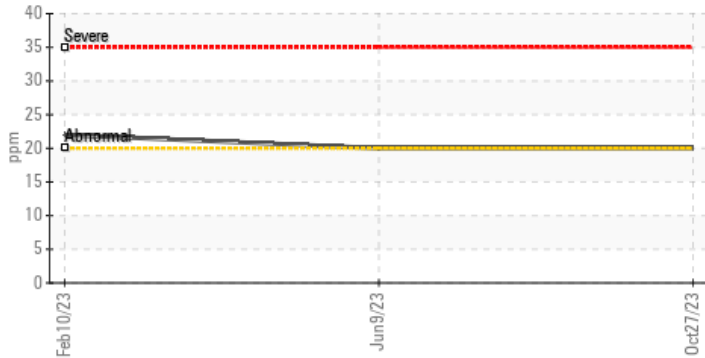


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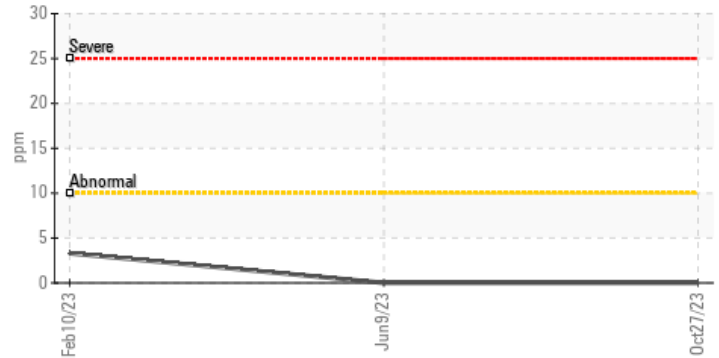


GRAPHS

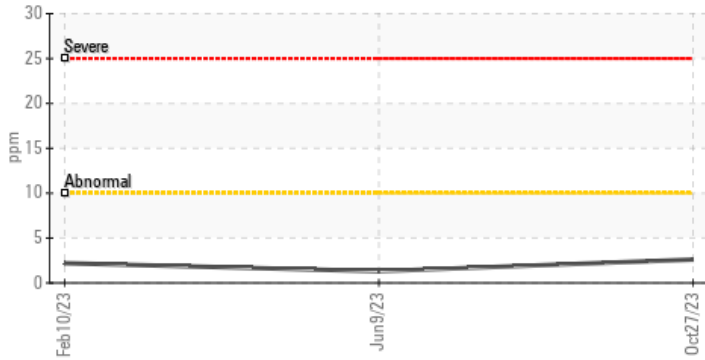
Iron (ppm)



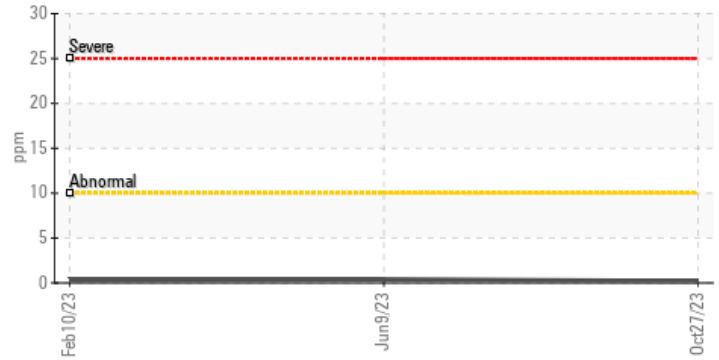
Lead (ppm)



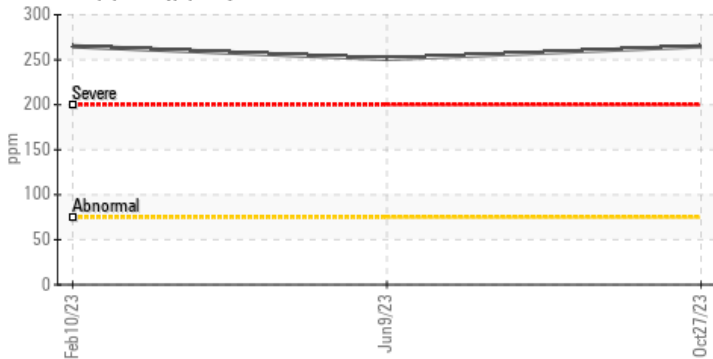
Aluminum (ppm)



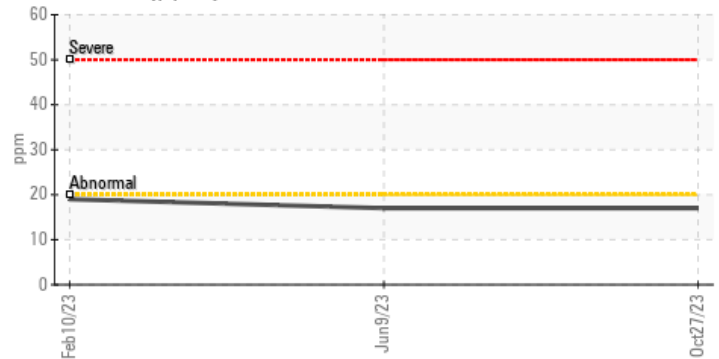
Chromium (ppm)



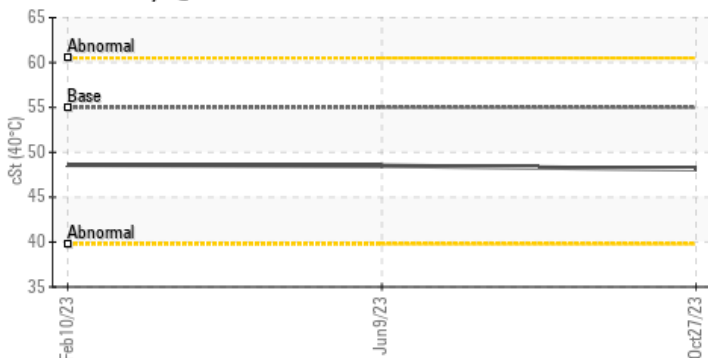
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

