



CONSTRUCTION EQUIPMENT

X18190 APAC VOLVO A40G 352887 - BRAKE COOLING SYSTEM



Sample No: VCP428629
Oil Type: VOLVO WB 102
Job No: X18190 APAC



SAMPLE INFORMATION

Sample Number	VCP428629	VCE043867	---	---
Sample Date	02 Feb 2024	04 Apr 2022	---	---
Machine Hours	4068	1444	---	---
Oil Hours	0	1444	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 45.3	█ 42.3	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 14	█ 20	---	---
Sodium	ppm	█ 6	█ 13	---	---
Potassium	ppm	█ 0	█ 0	---	---

Diagnosis

Resample at the next service interval to monitor. All 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	█ 31	█ 44	---	---
Copper	ppm	█ 162	▲ 328	---	---
Lead	ppm	█ 0	█ 4	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 0	█ 2	---	---
Nickel	ppm	█ 2	█ 6	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 2	█ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3231	█ 3487	---	---
Magnesium	ppm	█ 14	█ 0	---	---
Zinc	ppm	█ 1319	█ 1390	---	---
Phosphorus	ppm	█ 1210	█ 1257	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 99	█ 132	---	---

Depot: VOLVO8771
Unique No: 10870282
Signed: Sean Felton
Report Date: 09 Feb 2024

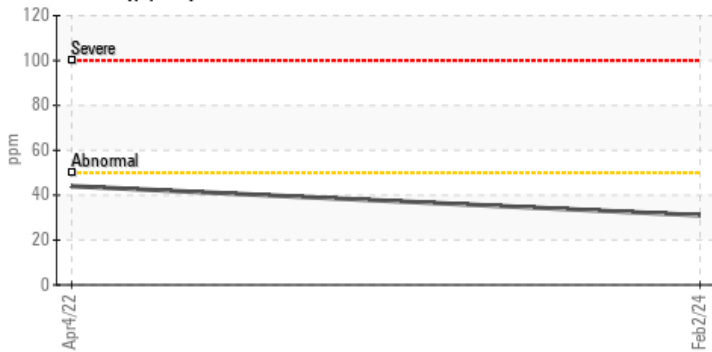


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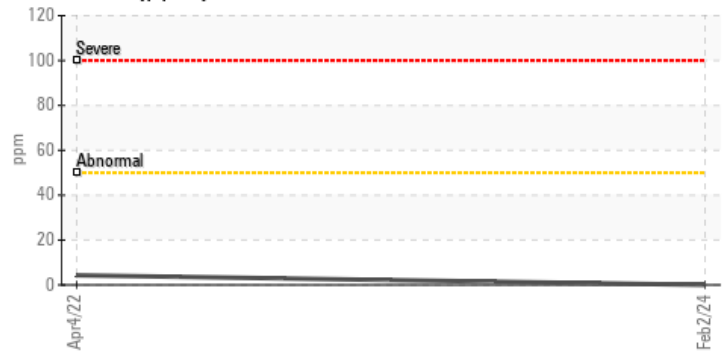


GRAPHS

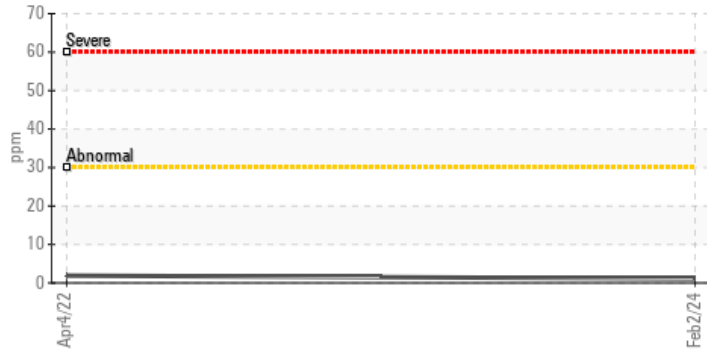
Iron (ppm)



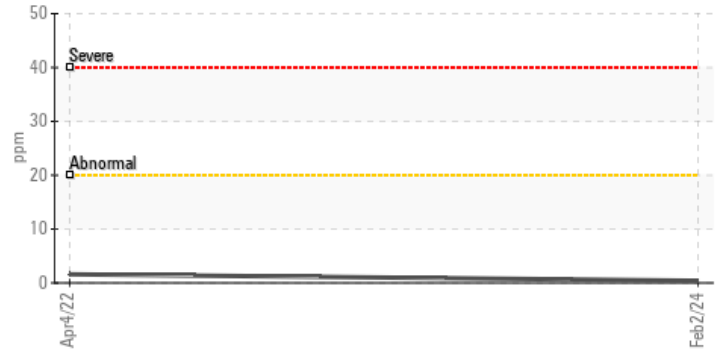
Lead (ppm)



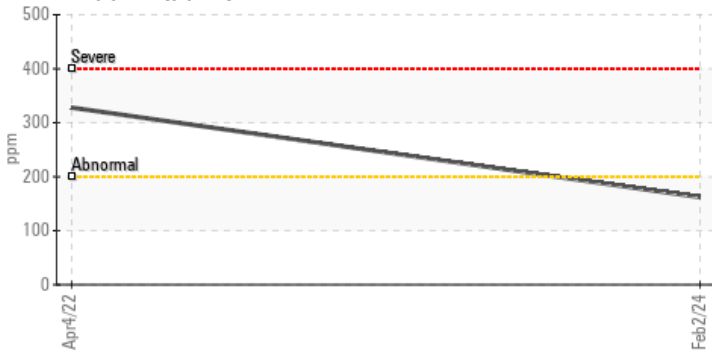
Aluminum (ppm)



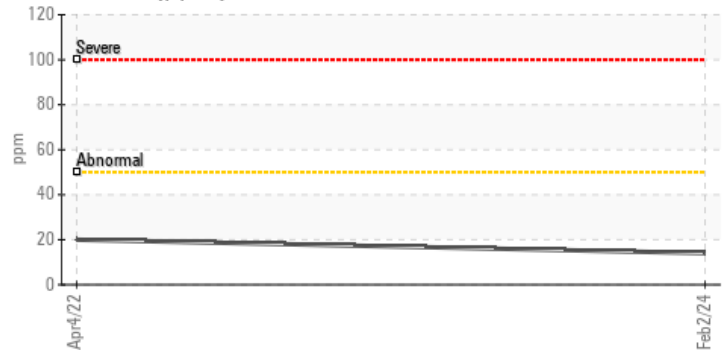
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

