



CONSTRUCTION EQUIPMENT

SW-27905-2 MANHEIM VOLVO L90F 68702 - REAR AXLE



Sample No: VCP435842
Oil Type: VOLVO WB 102
Job No: SW-27905-2 MANHEIM



SAMPLE INFORMATION

Sample Number	VCP435842	VCP357164	VCP143408	---
Sample Date	22 Dec 2023	07 Apr 2022	03 Apr 2014	---
Machine Hours	17058	14595	4482	---
Oil Hours	2500	2000	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.3	39.6	39.84	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	27	12	15	---
Sodium	ppm	0	5	1	---
Potassium	ppm	0	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	73	49	29	---
Copper	ppm	0	5	2	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	1	<1	1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	4324	4870	4188	---
Magnesium	ppm	11	18	16	---
Zinc	ppm	1740	1751	1805	---
Phosphorus	ppm	1443	1626	1419	---
Barium	ppm	4	0	0	---
Boron	ppm	144	148	123	---

Depot: VOLVO8770
Unique No: 10809865
Signed: Wes Davis
Report Date: 03 Jan 2024

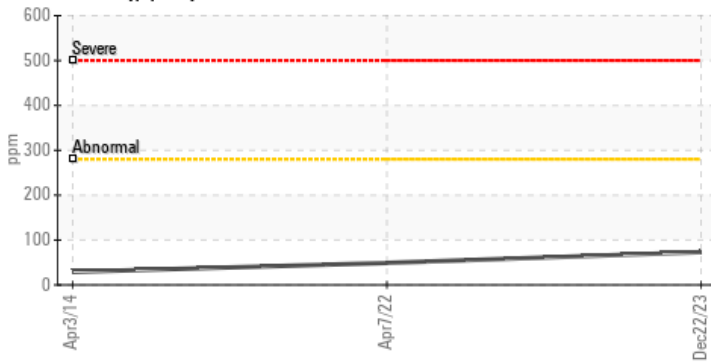


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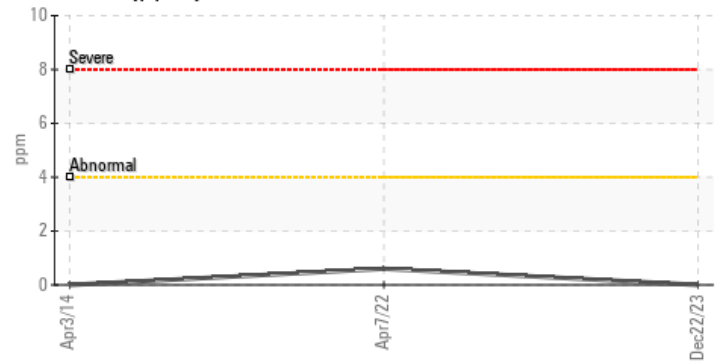


GRAPHS

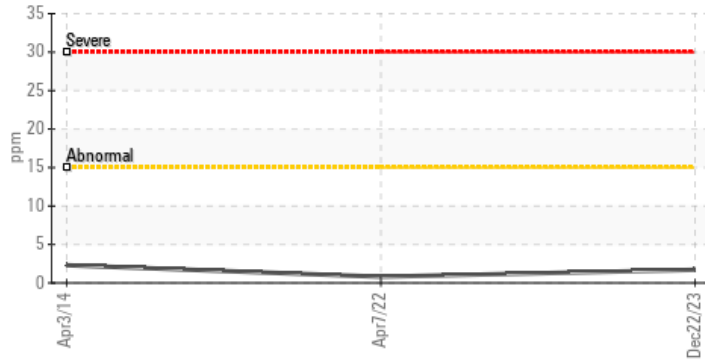
Iron (ppm)



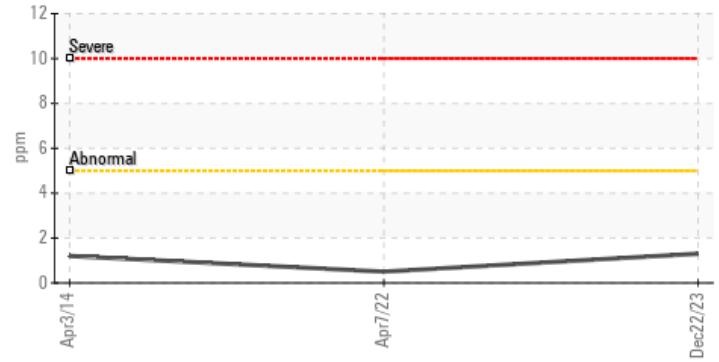
Lead (ppm)



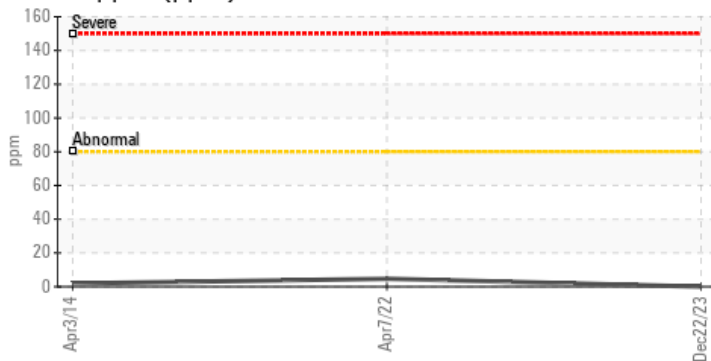
Aluminum (ppm)



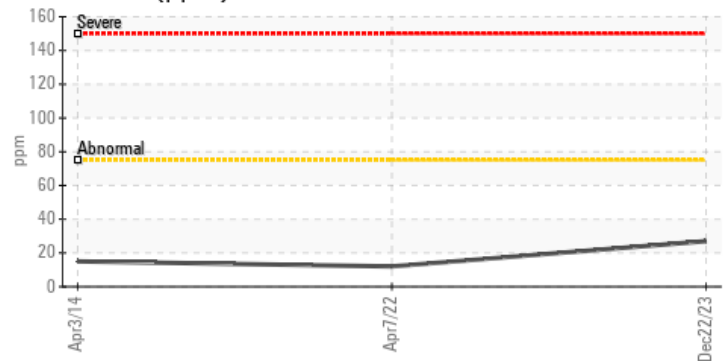
Chromium (ppm)



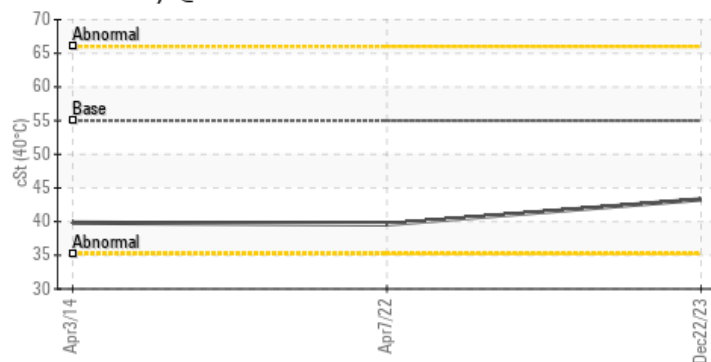
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

