



CONSTRUCTION EQUIPMENT

4870 IAA VOLVO L90H 623880 - TRANSMISSION (AUTO)



Sample No: VCP438984
Oil Type: VOLVO AT 102
Job No: 4870 IAA



SAMPLE INFORMATION

Sample Number	VCP438984	VCP422409	VCP355231	VCP314525
Sample Date	04 Jan 2024	11 May 2023	01 Jul 2022	22 Mar 2021
Machine Hours	8022	7479	6400	4042
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	30.7	31.1	31.8	30.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	9	8
Sodium	ppm	0	2	6	6
Potassium	ppm	2	<1	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	31	27	79	126
Copper	ppm	12	11	33	20
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	3	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	5	3	6	4
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	228	193	334	316
Magnesium	ppm	50	39	77	71
Zinc	ppm	112	93	179	157
Phosphorus	ppm	278	239	301	252
Barium	ppm	3	0	0	0
Boron	ppm	102	85	67	40

Depot: VOLVO0096
Unique No: 10831091
Signed: Wes Davis
Report Date: 16 Jan 2024

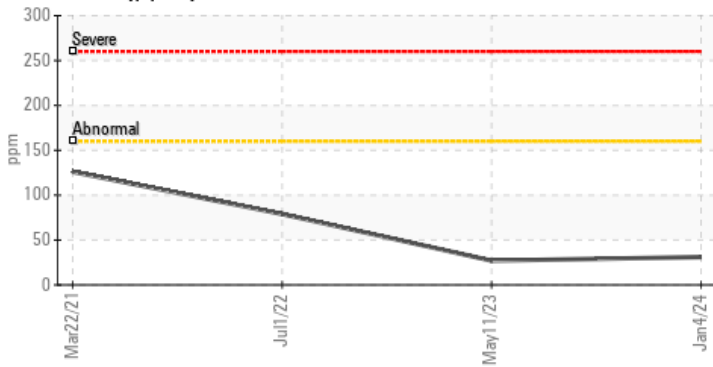


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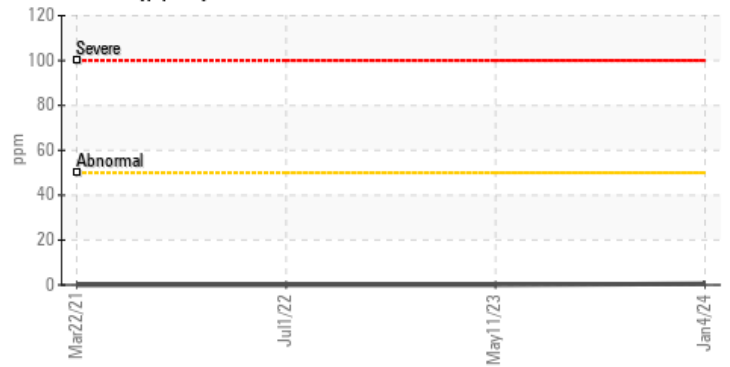


GRAPHS

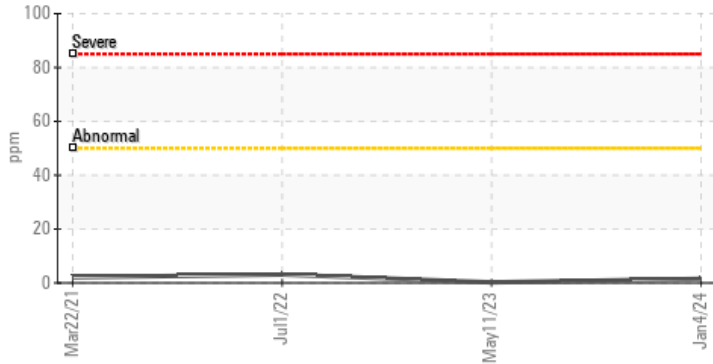
Iron (ppm)



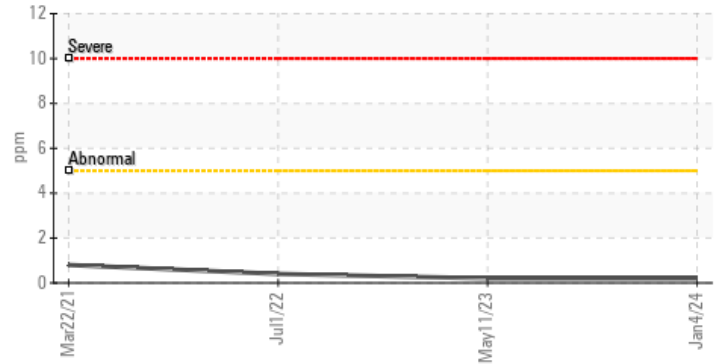
Lead (ppm)



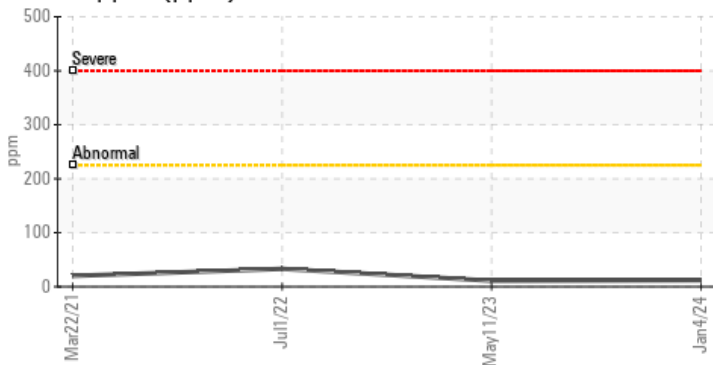
Aluminum (ppm)



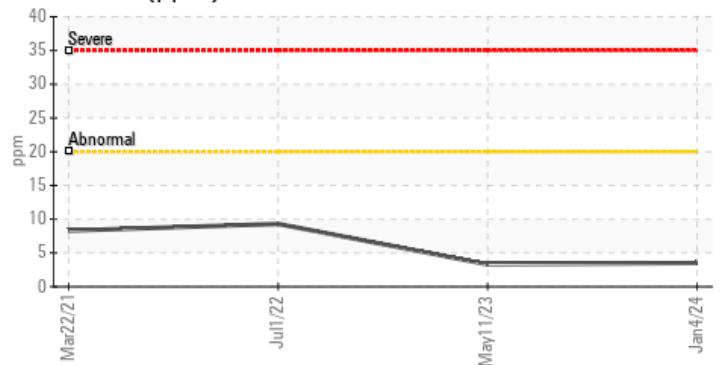
Chromium (ppm)



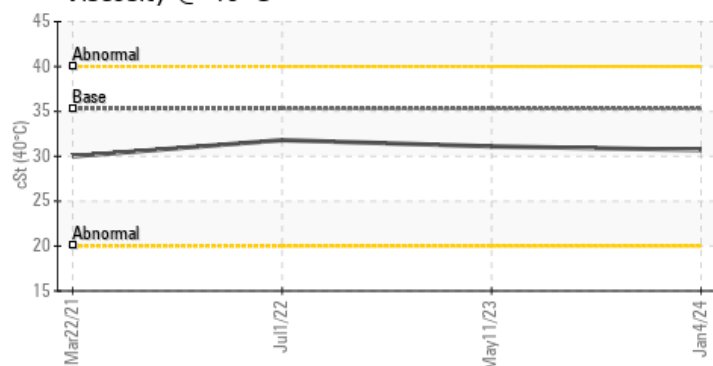
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

