



CONSTRUCTION EQUIPMENT

4883 IAA VOLVO L90H 623702 - TRANSMISSION (AUTO)



Sample No: VCP438150
Oil Type: VOLVO AT 102
Job No: 4883 IAA



SAMPLE INFORMATION

Sample Number	VCP438150	VCP396602	VCP375108	VCP346503
Sample Date	09 Jan 2024	23 Jan 2023	21 Jul 2022	01 Mar 2022
Machine Hours	9537	8975	8525	8020
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	26.1	29.7	26.27	26.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	6	10	9
Sodium	ppm	0	5	4	5
Potassium	ppm	3	<1	3	3

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	54	49	73	70
Copper	ppm	12	10	13	13
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	0	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	3	5	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	98	94	105	105
Magnesium	ppm	2	2	3	3
Zinc	ppm	28	35	46	43
Phosphorus	ppm	169	177	165	162
Barium	ppm	4	<1	4	0
Boron	ppm	63	60	58	52

Depot: VOLVO0096
Unique No: 10831092
Signed: Wes Davis
Report Date: 16 Jan 2024

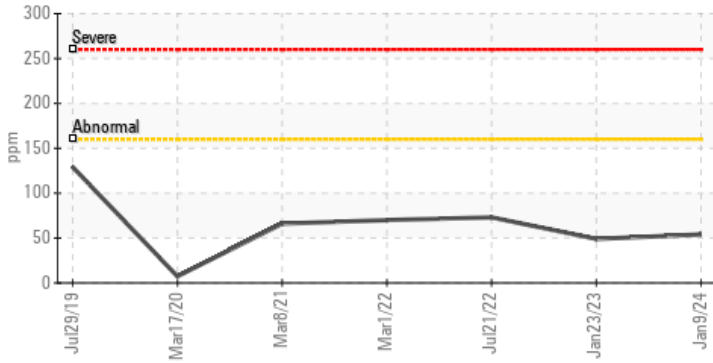


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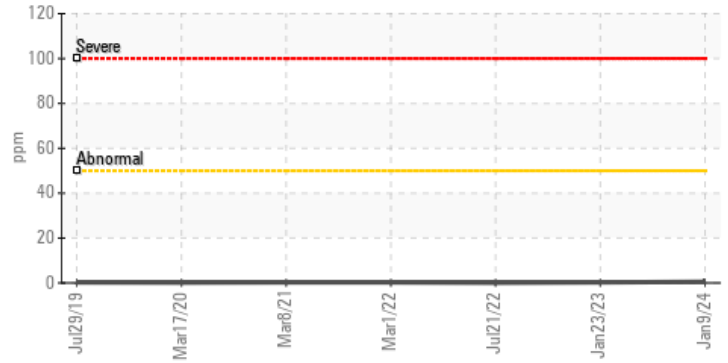


GRAPHS

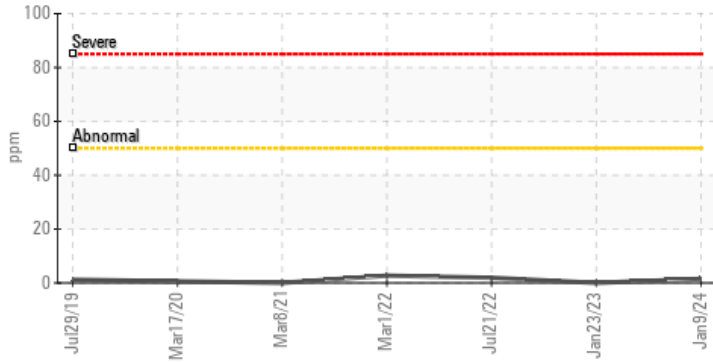
Iron (ppm)



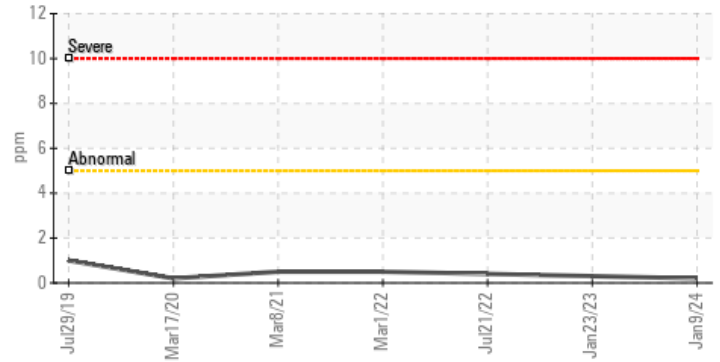
Lead (ppm)



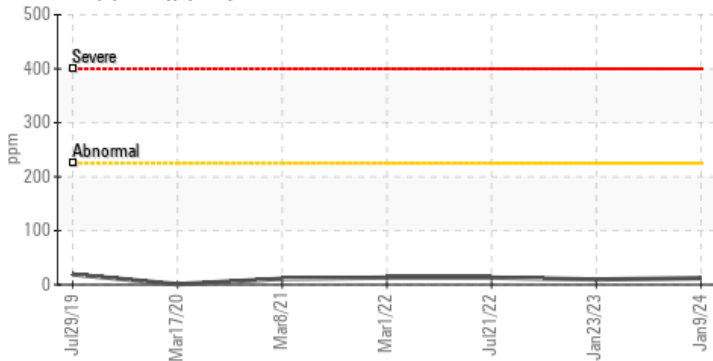
Aluminum (ppm)



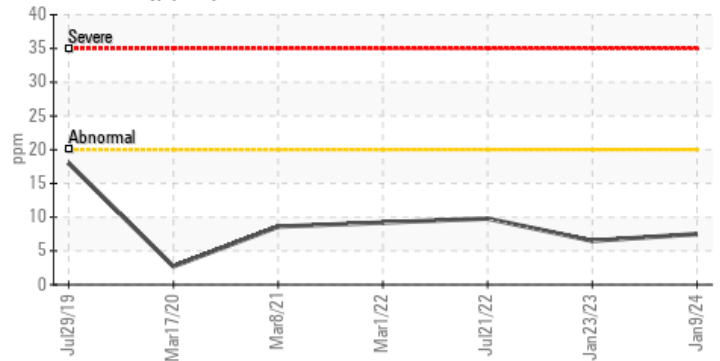
Chromium (ppm)



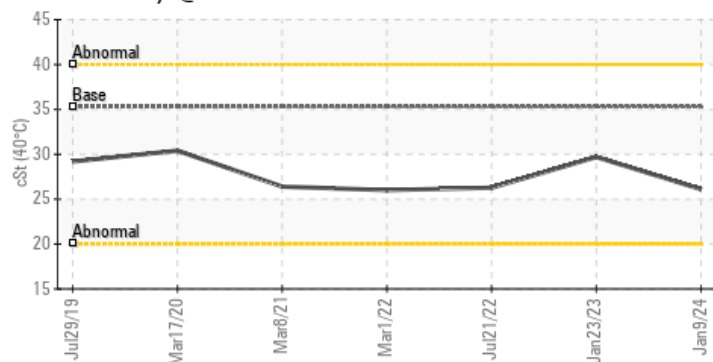
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

