



CONSTRUCTION EQUIPMENT

6614201 BCSW VOLVO A40G 342555 - TRANSMISSION (AUTO)



Sample No: VCP439299
Oil Type: VOLVO AT 102
Job No: 6614201 BCSW



SAMPLE INFORMATION

Sample Number	VCP439299	VCP421299	VCP376915	VCP350939
Sample Date	02 Feb 2024	21 Apr 2023	15 Sep 2022	07 Jun 2022
Machine Hours	11136	9562	8294	7678
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.9	27.3	27.5	27.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	4
Sodium	ppm	3	3	4	2
Potassium	ppm	0	0	0	2

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	16	25	17	16
Copper	ppm	13	19	13	10
Lead	ppm	0	0	0	0
Tin	ppm	2	2	2	2
Aluminum	ppm	8	15	11	8
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	2	1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	66	69	69	69
Magnesium	ppm	1	2	0	2
Zinc	ppm	2	6	3	6
Phosphorus	ppm	193	179	189	185
Barium	ppm	0	0	0	2
Boron	ppm	104	82	78	105

Depot: VOLVO0096
Unique No: 10871860
Signed: Sean Felton
Report Date: 12 Feb 2024

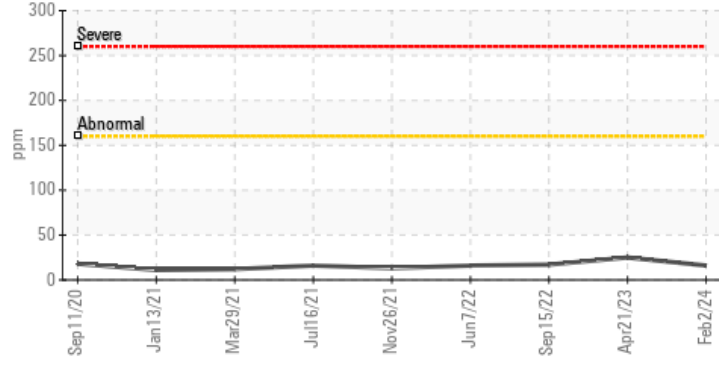


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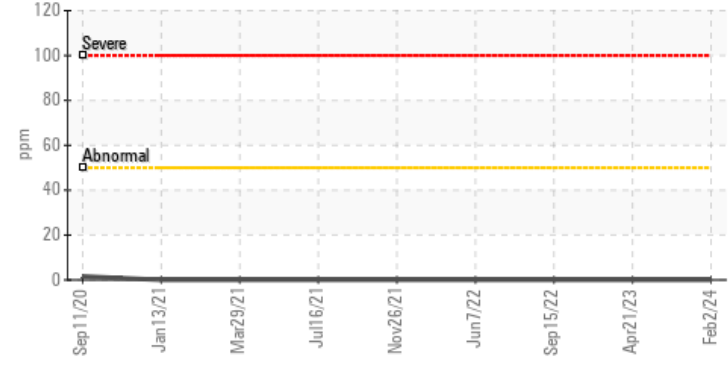


GRAPHS

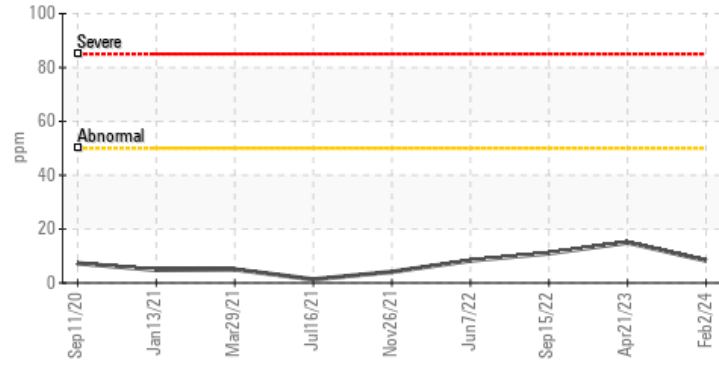
Iron (ppm)



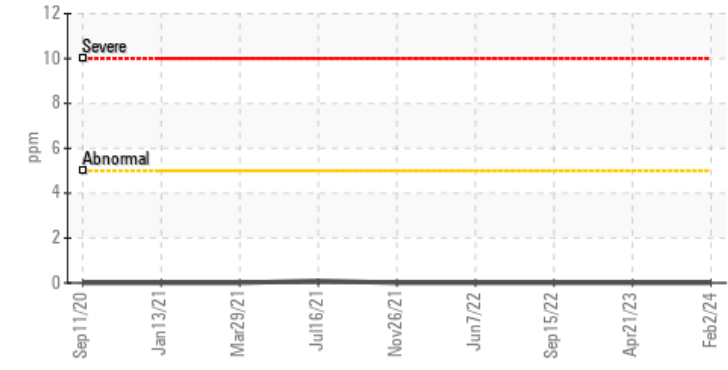
Lead (ppm)



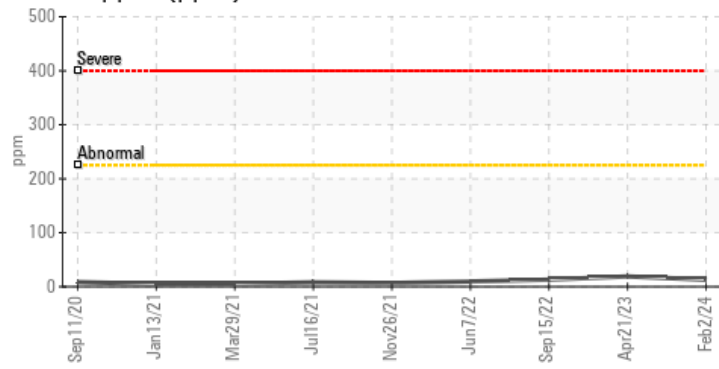
Aluminum (ppm)



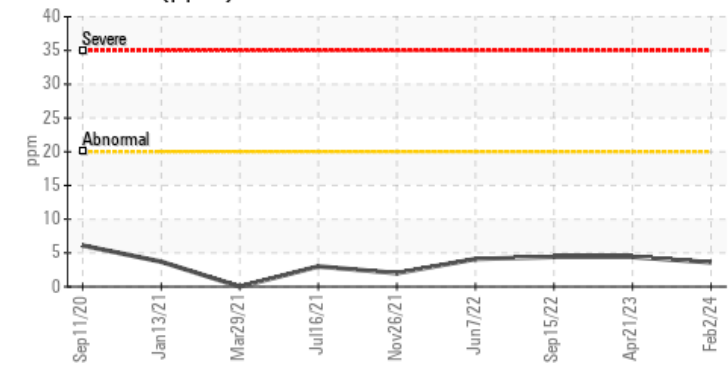
Chromium (ppm)



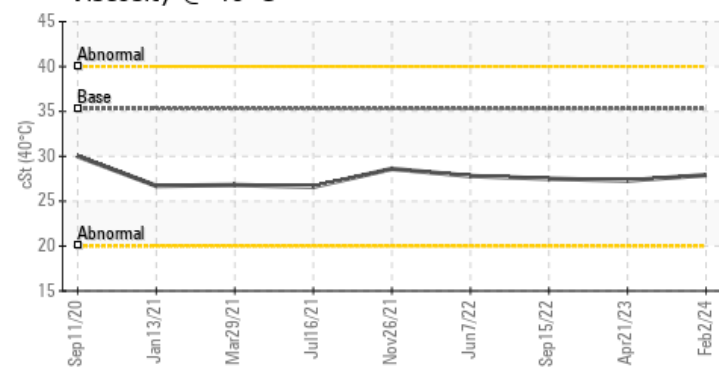
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

