



CONSTRUCTION EQUIPMENT

580533 CITRUS VOLVO L110H 632401 - TRANSMISSION (AUTO)



Sample No: VCP393521
Oil Type: VOLVO AT 102
Job No: 580533 CITRUS



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SAMPLE INFORMATION

Sample Number	VCP393521	VCP411054	VCP379678	VCP388245
Sample Date	26 Jul 2023	01 May 2023	02 Feb 2023	27 Oct 2022
Machine Hours	2144	1620	1092	555
Oil Hours	2144	0	1000	500
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	28.2	28.0	28.4	29.26
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CONTAMINATION

Silicon	ppm	12	11	10	19
Sodium	ppm	3	2	3	4
Potassium	ppm	1	2	<1	1



WEAR METALS

Iron	ppm	75	64	63	54
Copper	ppm	7	6	6	6
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	<1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	7	6	6	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	95	70	68	70
Magnesium	ppm	1	1	<1	1
Zinc	ppm	60	48	44	44
Phosphorus	ppm	186	178	178	193
Barium	ppm	5	4	3	2
Boron	ppm	64	57	61	62

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.

Depot: VOLVO0093
Unique No: 10602524
Signed: Wes Davis
Report Date: 13 Aug 2023

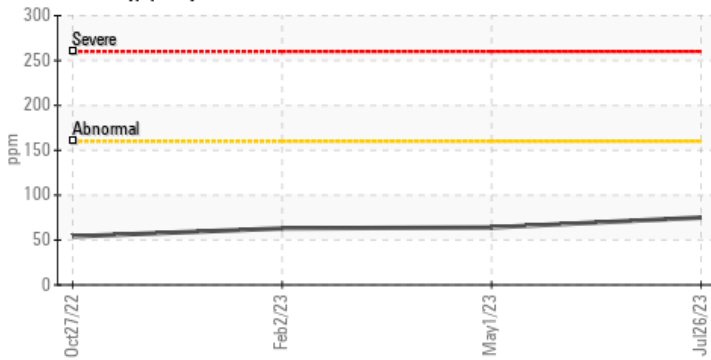


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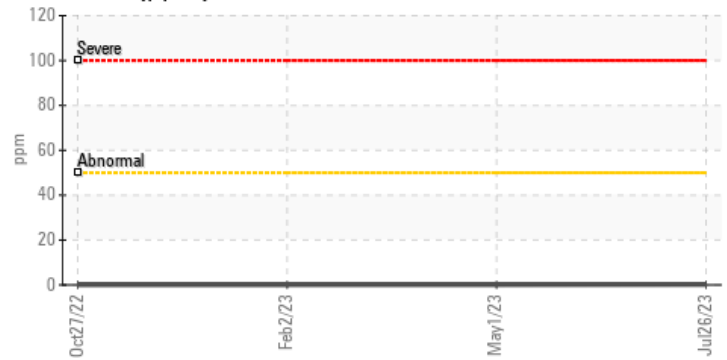


GRAPHS

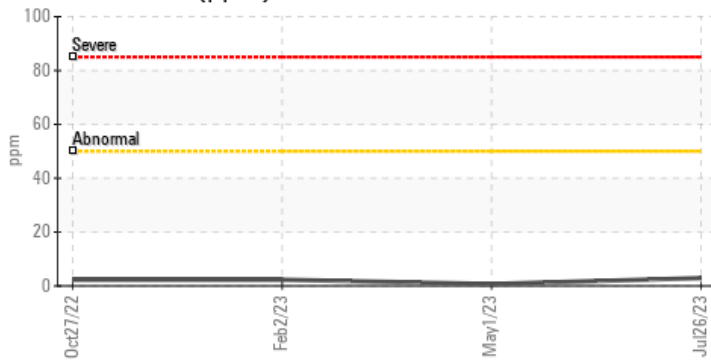
Iron (ppm)



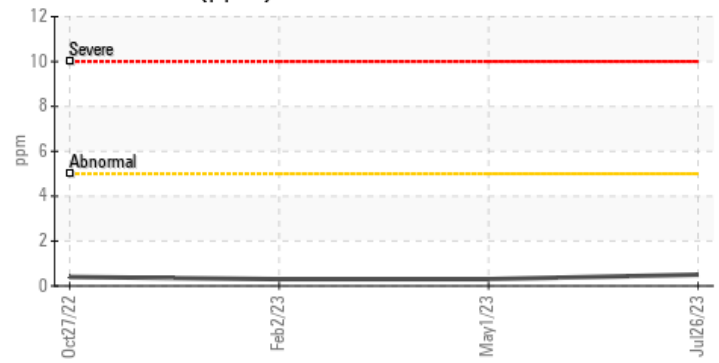
Lead (ppm)



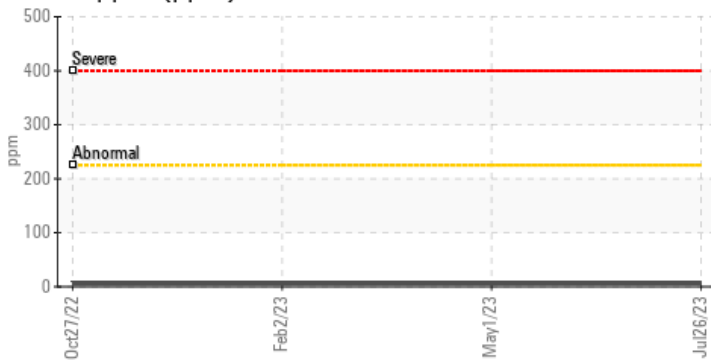
Aluminum (ppm)



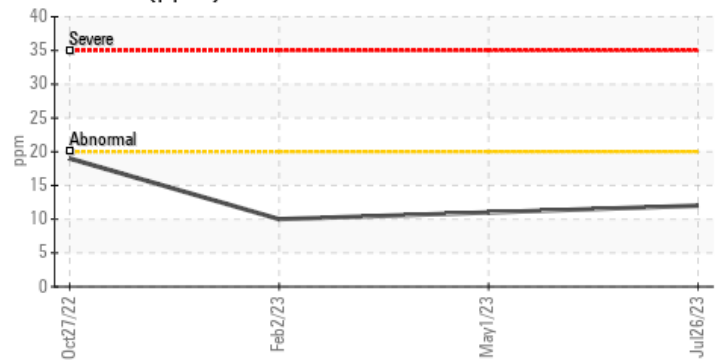
Chromium (ppm)



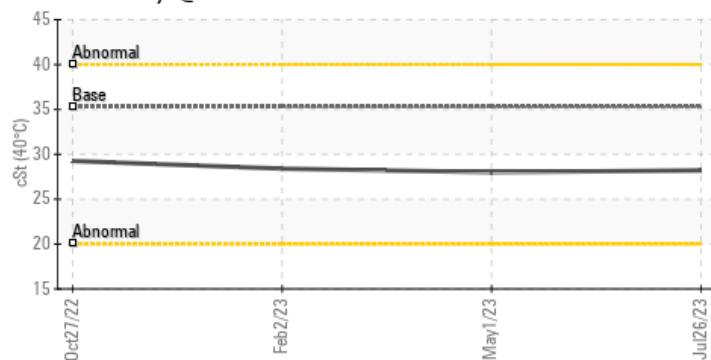
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

