



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO L110H 631211 - TRANSMISSION (AUTO)



Sample No: VCP444821
Oil Type: VOLVO AT 102
Job No: TUCKER PAVING



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SAMPLE INFORMATION

Sample Number	VCP444821	VCP426172	VCP395981	VCP390635
Sample Date	25 Apr 2024	22 Sep 2023	22 Feb 2023	06 Sep 2022
Machine Hours	10878	10219	9606	8781
Oil Hours	0	0	1600	2000
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	31.4	28.5	28.8	27.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	6	3	4
Sodium	ppm	2	0	<1	2
Potassium	ppm	0	<1	0	1



WEAR METALS

Iron	ppm	21	26	10	14
Copper	ppm	8	4	1	3
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	7	4	12
Chromium	ppm	0	0	0	0
Molybdenum	ppm	4	0	0	<1
Nickel	ppm	0	<1	0	<1
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	225	98	83	80
Magnesium	ppm	57	10	4	4
Zinc	ppm	112	25	0	10
Phosphorus	ppm	262	198	199	201
Barium	ppm	0	2	0	1
Boron	ppm	82	84	80	82

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: 11031870
Signed: Don Baldrige
Report Date: 17 May 2024

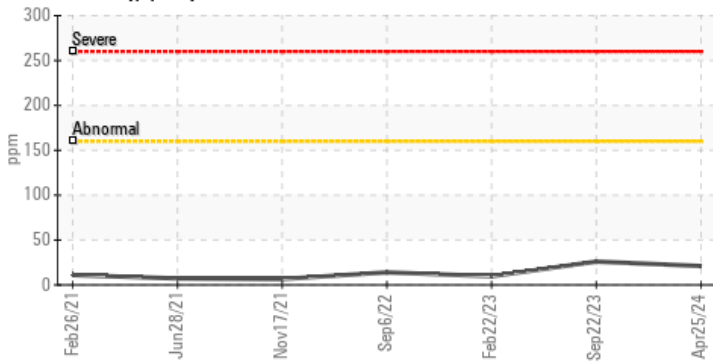


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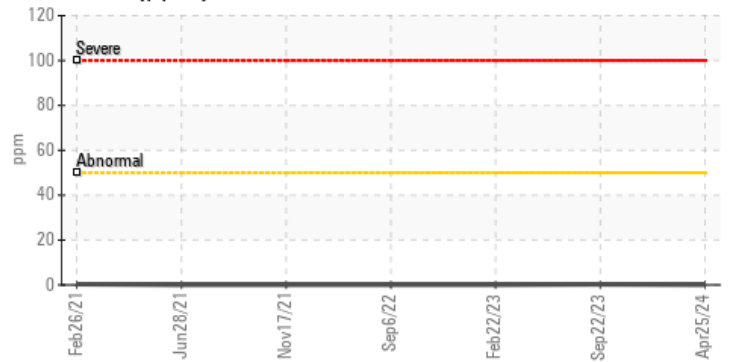


GRAPHS

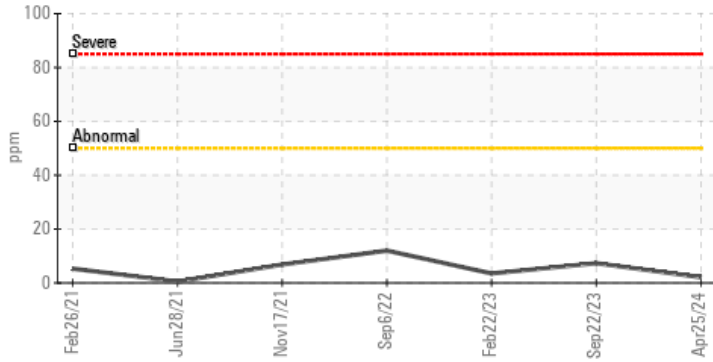
Iron (ppm)



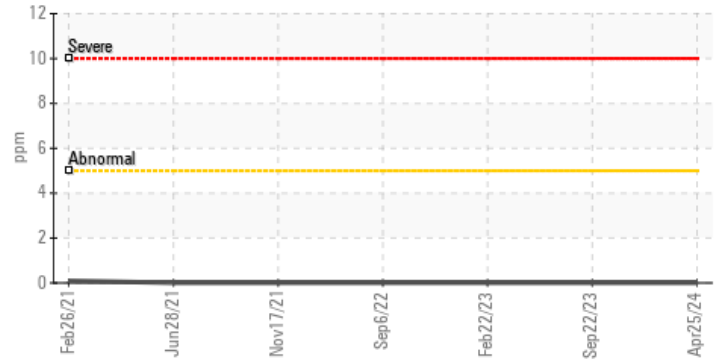
Lead (ppm)



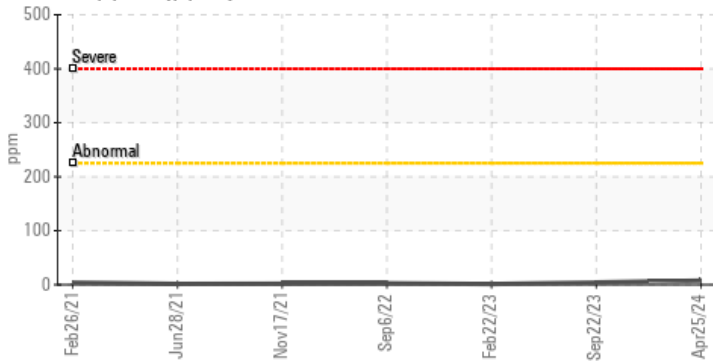
Aluminum (ppm)



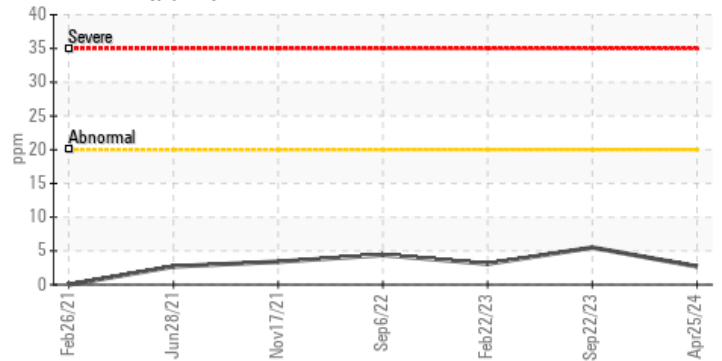
Chromium (ppm)



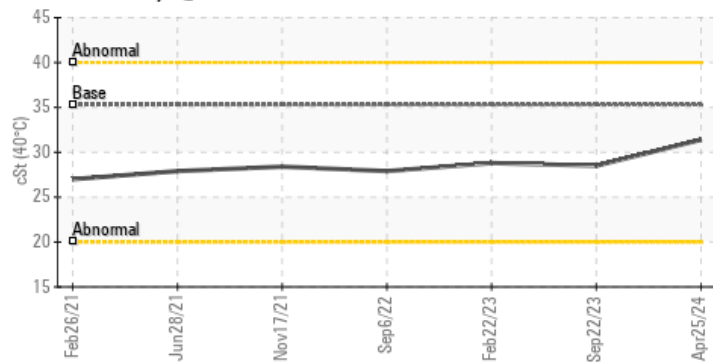
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

