



CONSTRUCTION EQUIPMENT

W14409 VOLVO L110H 631888 - TRANSMISSION (AUTO)



Sample No: VCP424369
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: W14409



SAMPLE INFORMATION

Sample Number	VCP424369	VCP380809	VCP382410	VCP363273
Sample Date	10 Jul 2023	27 Feb 2023	11 Dec 2022	25 Jul 2022
Machine Hours	6567	6011	5509	5005
Oil Hours	500	2000	500	1000
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	30.5	27.8	28.5	29.59
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CONTAMINATION

Silicon	ppm	4	4	5	4
Sodium	ppm	<1	2	<1	0
Potassium	ppm	1	0	0	1

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	33	34	31	26
Copper	ppm	66	37	13	11
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	4	4	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	6	7	7	7
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	136	146	160	141
Magnesium	ppm	31	36	39	35
Zinc	ppm	128	62	73	62
Phosphorus	ppm	253	220	228	214
Barium	ppm	0	<1	0	0
Boron	ppm	42	75	76	85

Depot: VOLVO0080
Unique No: 10563056
Signed: Don Baldrige
Report Date: 20 Jul 2023

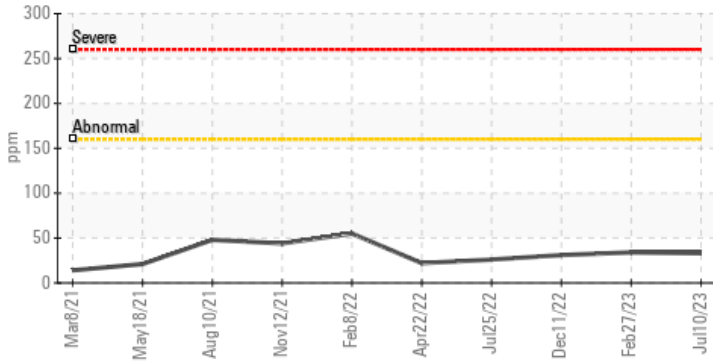


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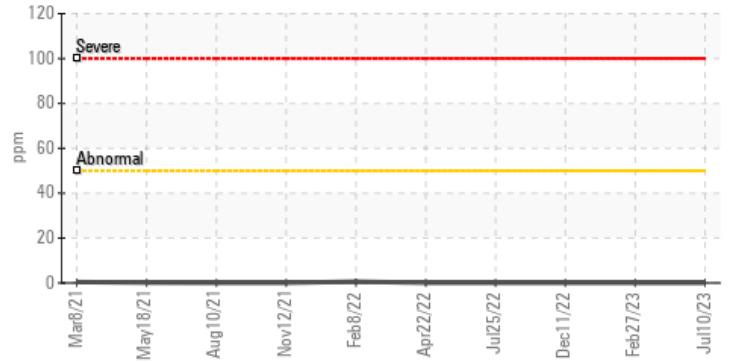


GRAPHS

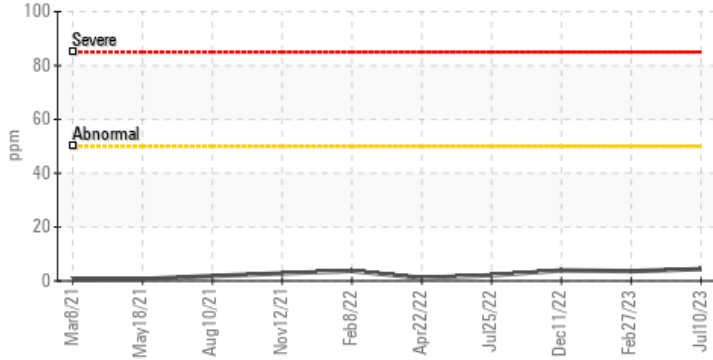
Iron (ppm)



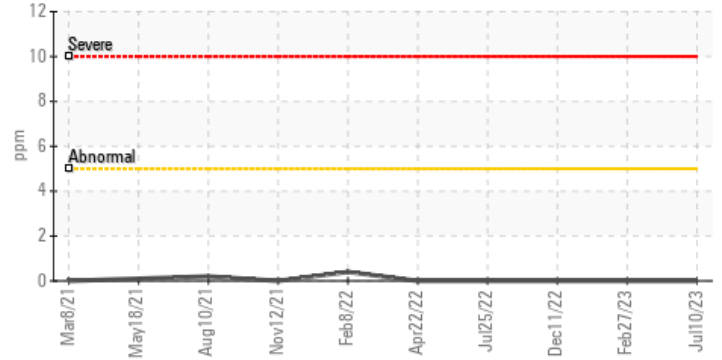
Lead (ppm)



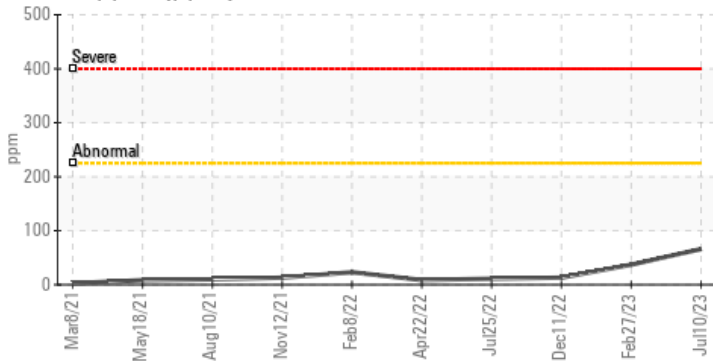
Aluminum (ppm)



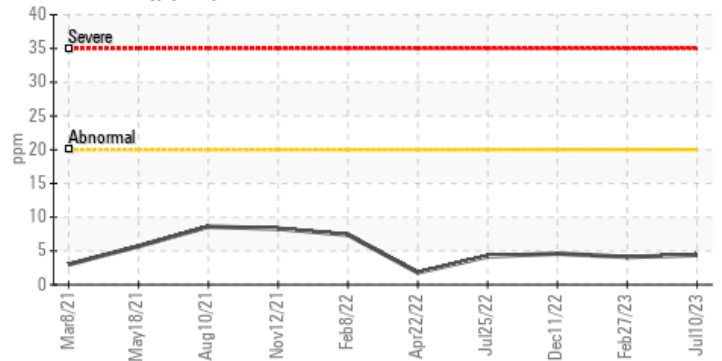
Chromium (ppm)



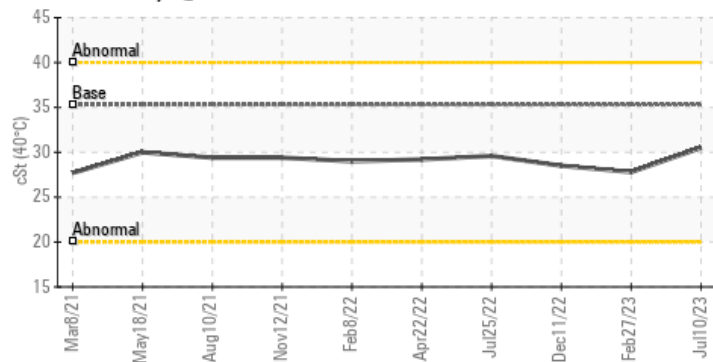
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

