



CONSTRUCTION EQUIPMENT

W14408 VOLVO L110H 631820 - TRANSMISSION (AUTO)



Sample No: VCP424368
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: W14408



SAMPLE INFORMATION

Sample Number	VCP424368	VCP411475	VCP367984	VCP374252
Sample Date	10 Jul 2023	11 Apr 2023	09 Jan 2023	10 Jun 2022
Machine Hours	5538	5083	4597	3617
Oil Hours	500	1000	4000	1500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	38.7	28.7	24.0	27.5
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CONTAMINATION

Silicon	ppm	2	2	4	6
Sodium	ppm	<1	<1	3	1
Potassium	ppm	<1	0	0	0

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	9	10	37	34
Copper	ppm	5	4	5	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	<1	8	6
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	2	4	4
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	892	141	138	143
Magnesium	ppm	11	13	12	6
Zinc	ppm	350	23	18	38
Phosphorus	ppm	425	219	192	241
Barium	ppm	0	0	0	0
Boron	ppm	67	86	67	88

Depot: VOLVO0080
Unique No: 10563057
Signed: Don Baldrige
Report Date: 20 Jul 2023

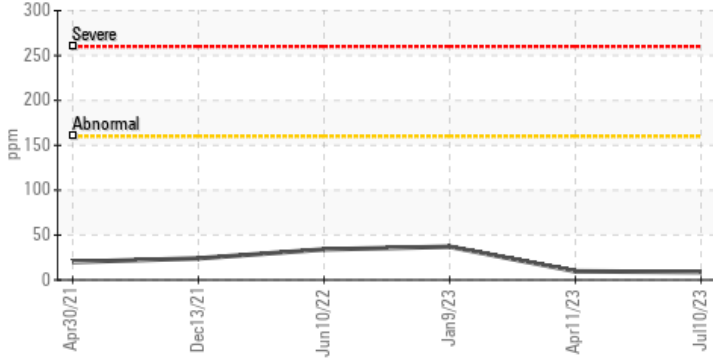


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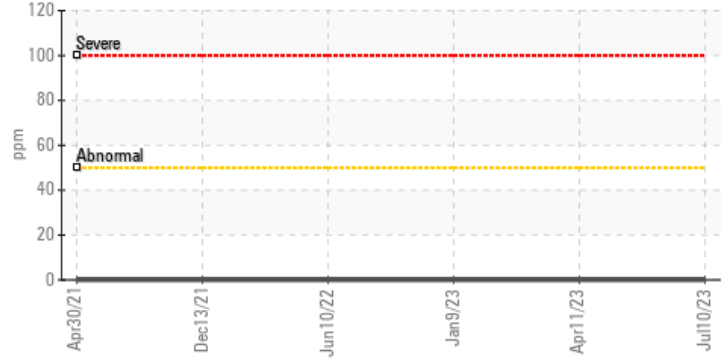


GRAPHS

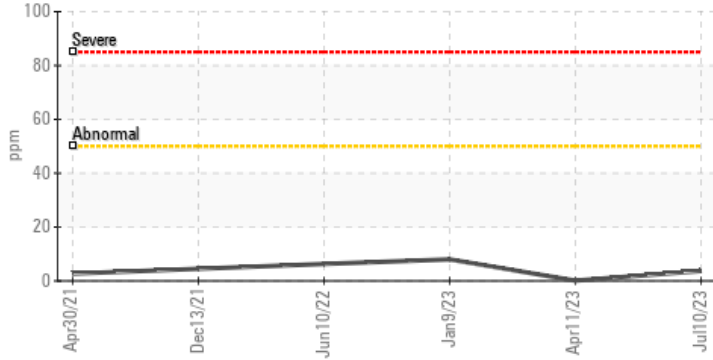
Iron (ppm)



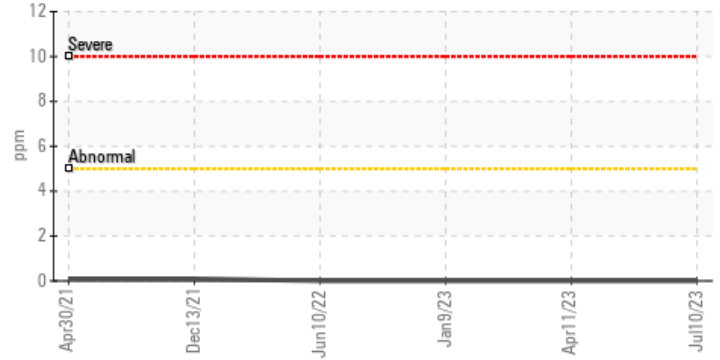
Lead (ppm)



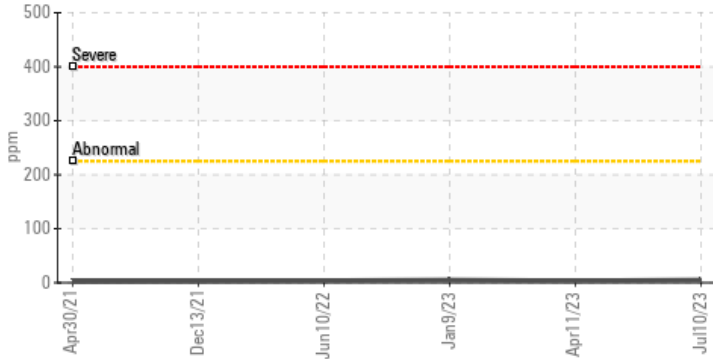
Aluminum (ppm)



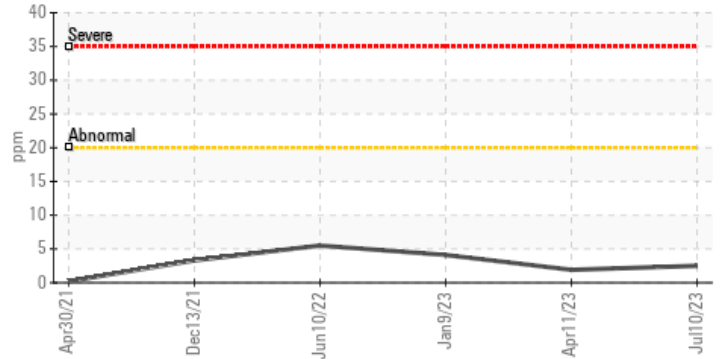
Chromium (ppm)



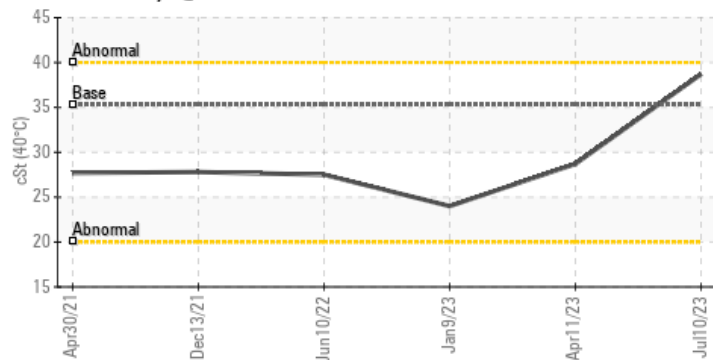
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

