



CONSTRUCTION EQUIPMENT

5 VOLVO L110H 631239 - TRANSMISSION (AUTO)



Sample No: VCP438541
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 5



SAMPLE INFORMATION

Sample Number	VCP438541	VCP415944	VCP379686	VCP390703
Sample Date	09 Jul 2024	27 Jun 2023	09 Feb 2023	25 Oct 2022
Machine Hours	10281	9267	8759	8302
Oil Hours	0	0	1500	4000
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	27.2	28.3	23.2	30.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	4	4
Sodium	ppm	4	2	3	3
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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	20	12	11	36
Copper	ppm	3	0	2	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	7	4	4	13
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	0	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	72	64	79	70
Magnesium	ppm	0	0	0	2
Zinc	ppm	6	0	8	2
Phosphorus	ppm	182	187	182	162
Barium	ppm	0	0	0	0
Boron	ppm	80	93	89	67

Depot: RIPTAM
Unique No: 1117160
Signed: Don Baldrige
Report Date: 13 Jul 2024

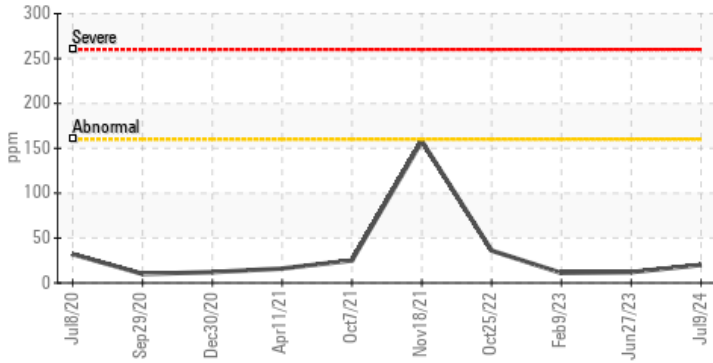


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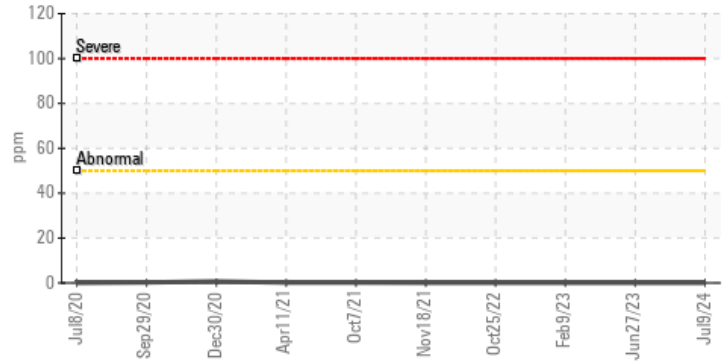


GRAPHS

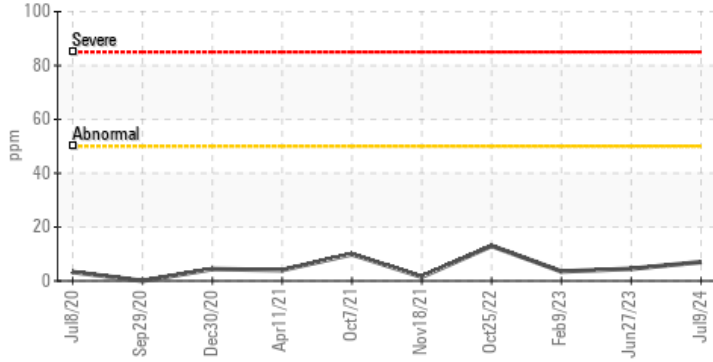
Iron (ppm)



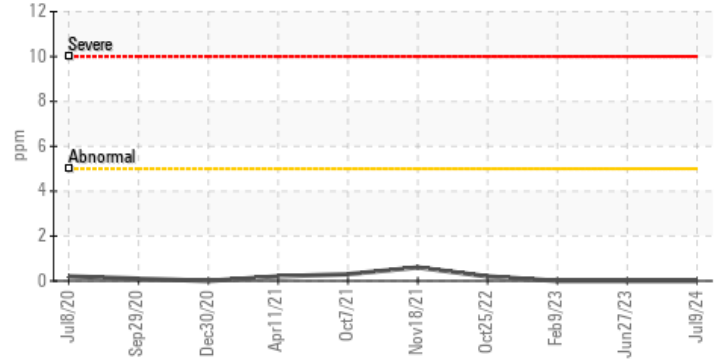
Lead (ppm)



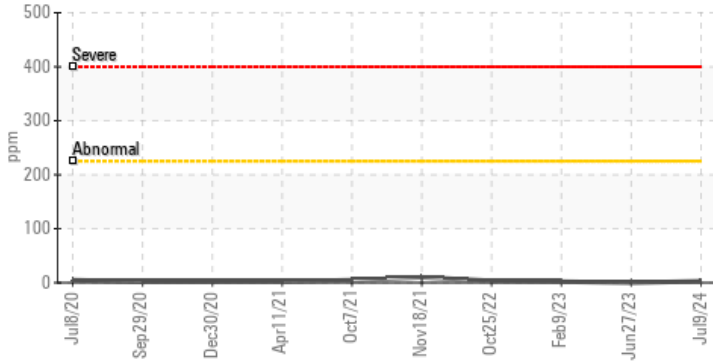
Aluminum (ppm)



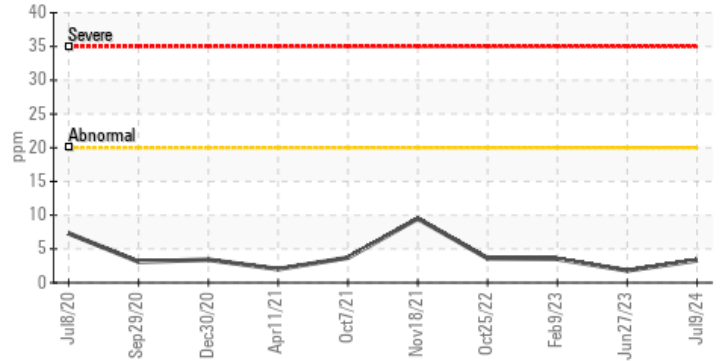
Chromium (ppm)



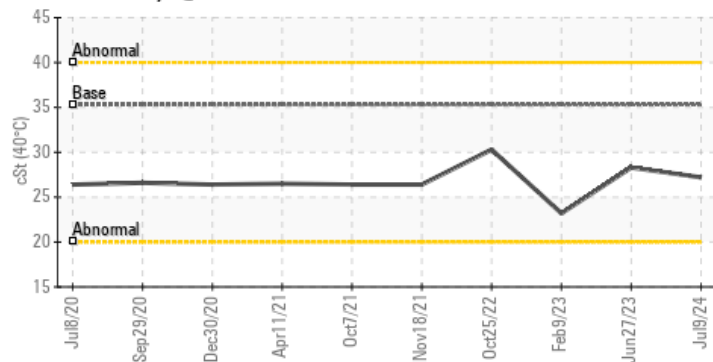
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

