



CONSTRUCTION EQUIPMENT

715594 VOLVO A40G 352851 - TRANSMISSION (AUTO)



Sample No: VCP444403
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 715594



SAMPLE INFORMATION

Sample Number	VCP444403	VCP428658	VCP436024	VCP406501
Sample Date	31 May 2024	21 Feb 2024	06 Nov 2023	12 Apr 2023
Machine Hours	5237	4599	4099	3090
Oil Hours	1000	0	2000	1000
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
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	28.4	32.7	28.3	28.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	13	15
Sodium	ppm	5	3	5	4
Potassium	ppm	<1	1	3	2

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	28	21	56	50
Copper	ppm	11	7	22	20
Lead	ppm	0	0	0	0
Tin	ppm	<1	1	3	2
Aluminum	ppm	12	8	21	17
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	3	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	4	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	73	78	72	73
Magnesium	ppm	1	<1	2	<1
Zinc	ppm	5	6	0	6
Phosphorus	ppm	184	198	194	190
Barium	ppm	0	0	0	0
Boron	ppm	84	92	66	80

Depot: RIPTAM
Unique No: 11127112
Signed: Sean Felton
Report Date: 18 Jul 2024

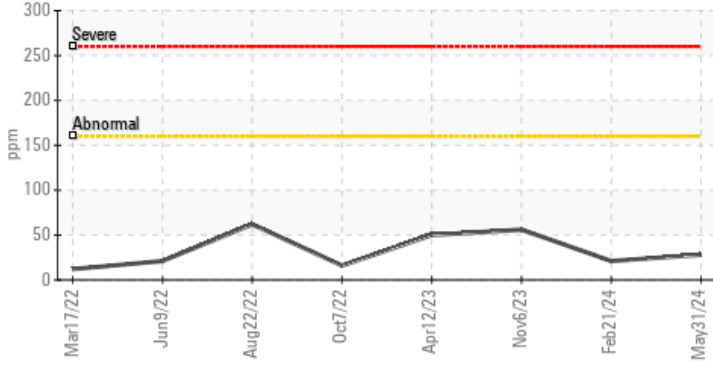


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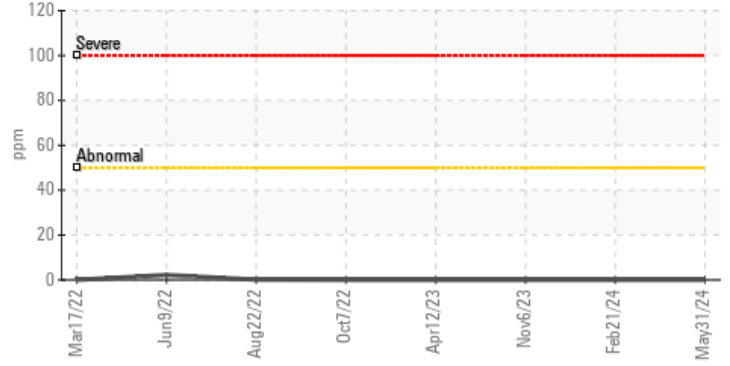


GRAPHS

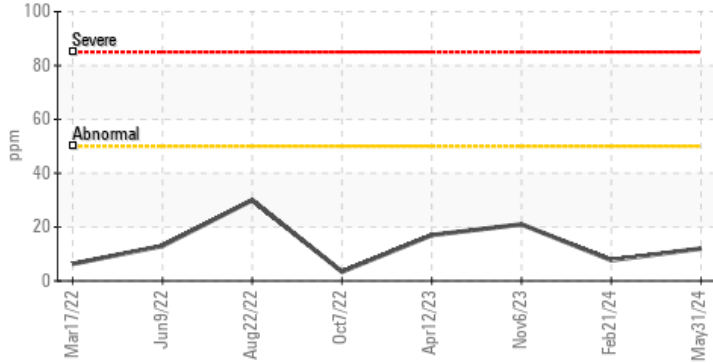
Iron (ppm)



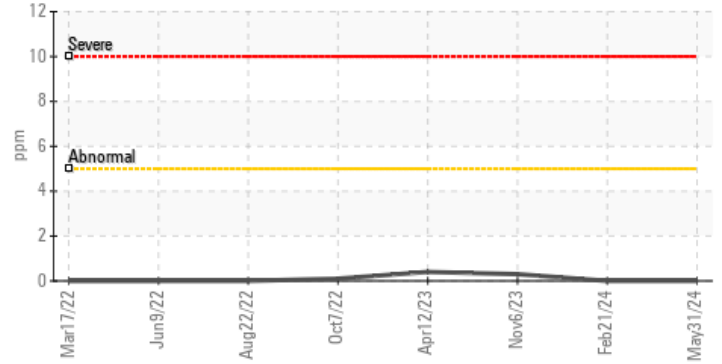
Lead (ppm)



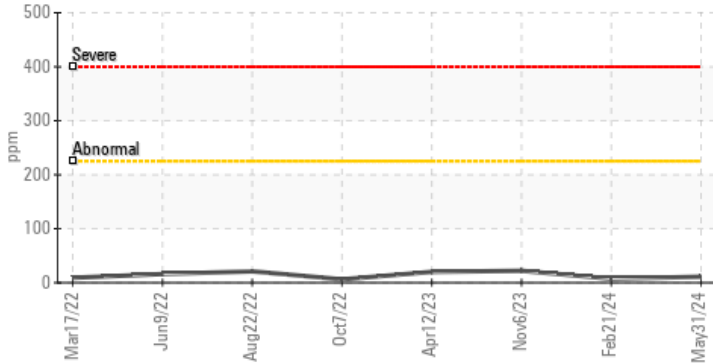
Aluminum (ppm)



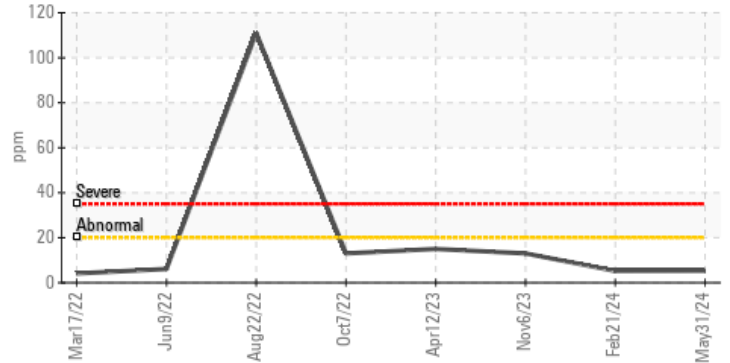
Chromium (ppm)



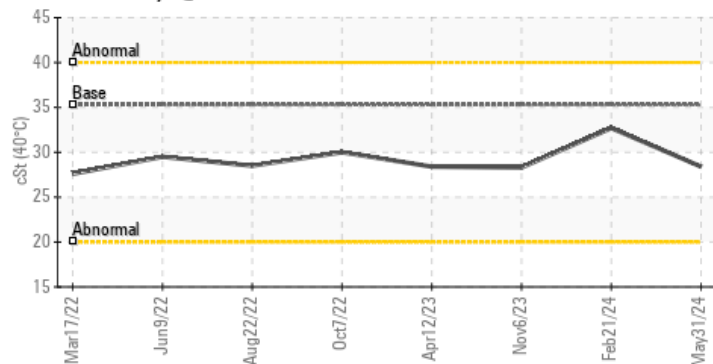
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

