



CONSTRUCTION EQUIPMENT

VOLVO A40 352852 - TRANSMISSION (AUTO)



Sample No: VCP420076
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP420076	VCP395059	VCP364571	VCP364581
Sample Date	19 Jun 2023	10 Mar 2023	03 Nov 2022	18 Aug 2022
Machine Hours	3956	2973	2424	1982
Oil Hours	0	1000	500	500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
 rturner@ripatampa.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	28.4	28.5	29.25	28.0
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CONTAMINATION

Silicon	ppm	4	5	4	8
Sodium	ppm	3	3	3	4
Potassium	ppm	0	0	1	3

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	23	19	13	34
Copper	ppm	11	12	10	25
Lead	ppm	0	0	<1	0
Tin	ppm	2	3	2	5
Aluminum	ppm	15	11	9	21
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	1	1	2	4
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	<1	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	67	76	74	77
Magnesium	ppm	0	3	1	1
Zinc	ppm	0	0	1	3
Phosphorus	ppm	193	200	203	197
Barium	ppm	0	0	0	0
Boron	ppm	88	89	88	75

Depot: RIPTAM
Unique No: 10552383
Signed: Wes Davis
Report Date: 13 Jul 2023

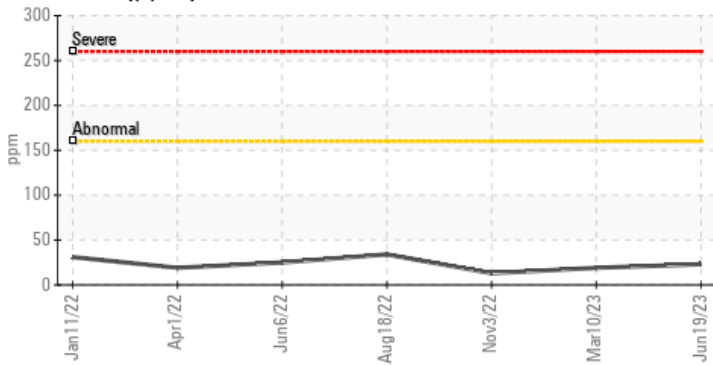


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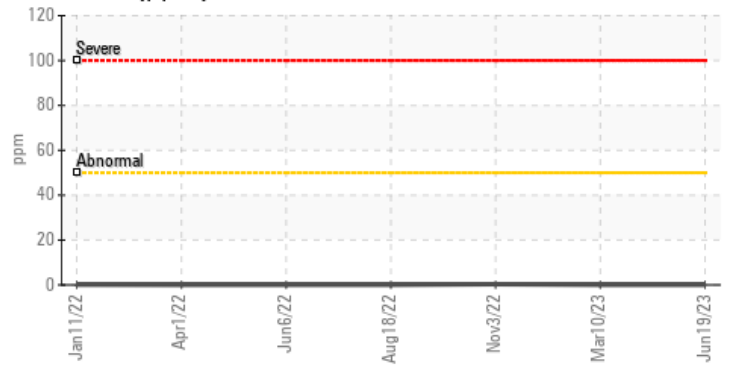


GRAPHS

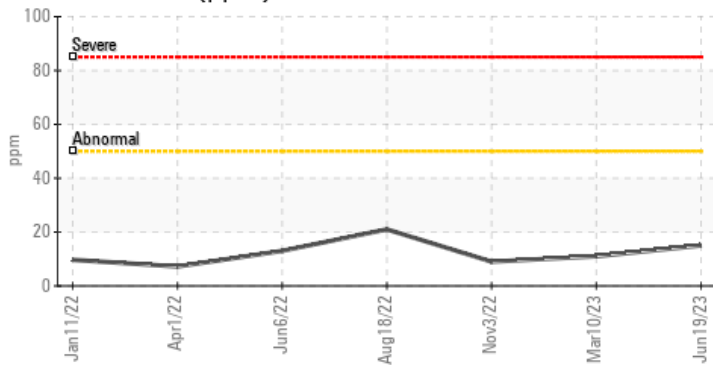
Iron (ppm)



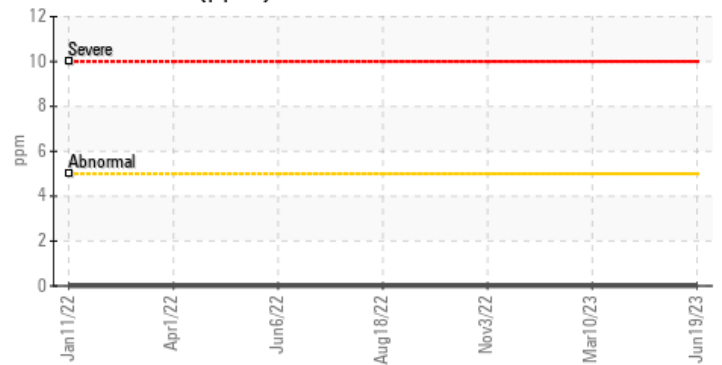
Lead (ppm)



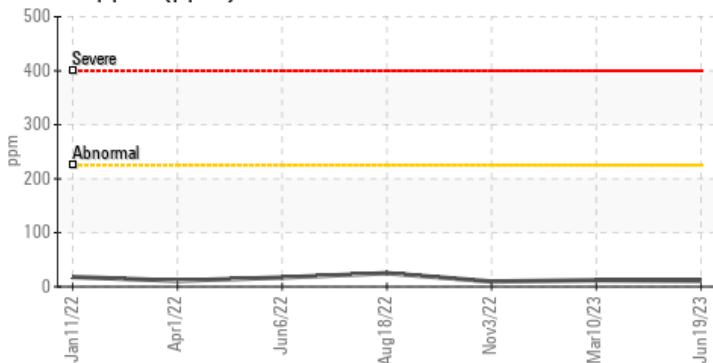
Aluminum (ppm)



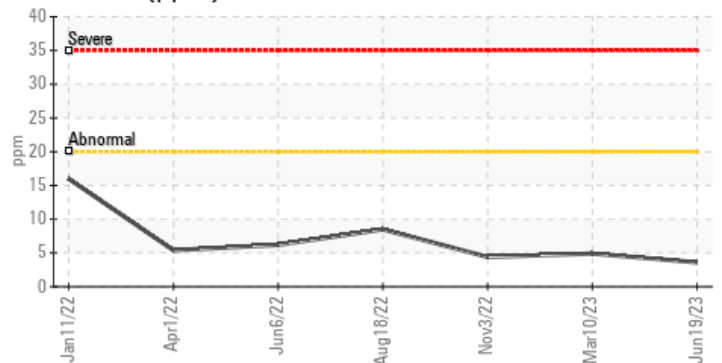
Chromium (ppm)



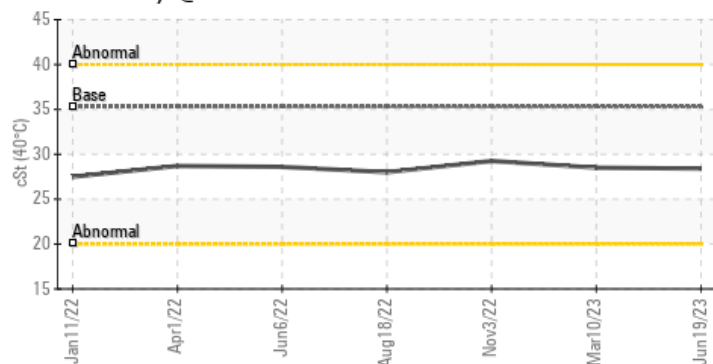
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

