



CONSTRUCTION EQUIPMENT

VOLVO A40G 752282 - TRANSMISSION (AUTO)



Sample No: VCP443585
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP443585	VCP444347	VCP417606	VCP424478
Sample Date	05 Jun 2024	09 Feb 2024	25 Aug 2023	17 May 2023
Machine Hours	5858	5200	4246	6249
Oil Hours	0	0	2000	0
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	28.2	29.3	28.5	28.7
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	3	5	4
Sodium	ppm	4	0	1	2
Potassium	ppm	4	0	1	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	22	0	20	13
Copper	ppm	13	0	11	6
Lead	ppm	4	0	0	0
Tin	ppm	4	<1	2	<1
Aluminum	ppm	11	0	11	5
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	2	0	<1	0
Nickel	ppm	2	0	2	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	56	84	73	72
Magnesium	ppm	4	11	1	3
Zinc	ppm	2	25	3	0
Phosphorus	ppm	145	197	193	197
Barium	ppm	0	0	0	0
Boron	ppm	71	93	91	104

Depot: RIPTAM
Unique No: 11074439
Signed: Don Baldrige
Report Date: 13 Jun 2024

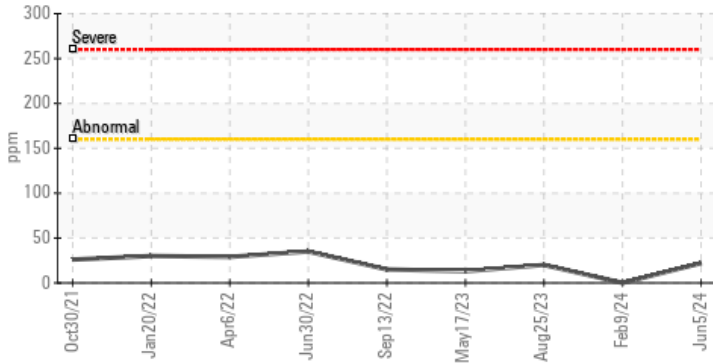


CONSTRUCTION EQUIPMENT

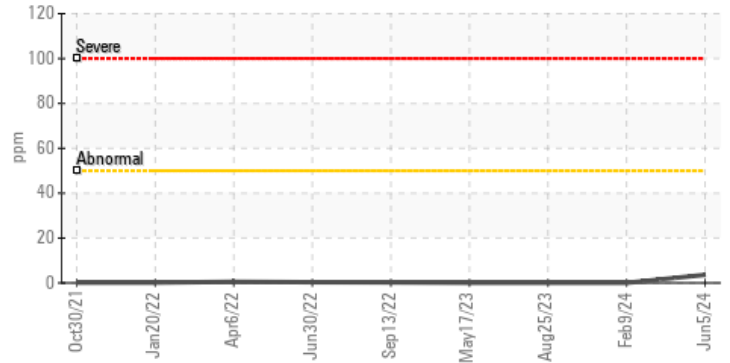


GRAPHS

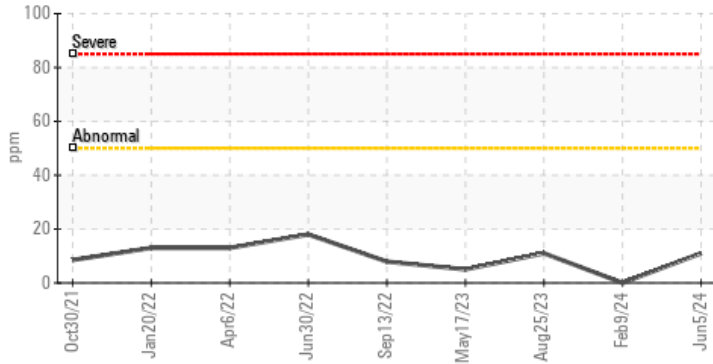
Iron (ppm)



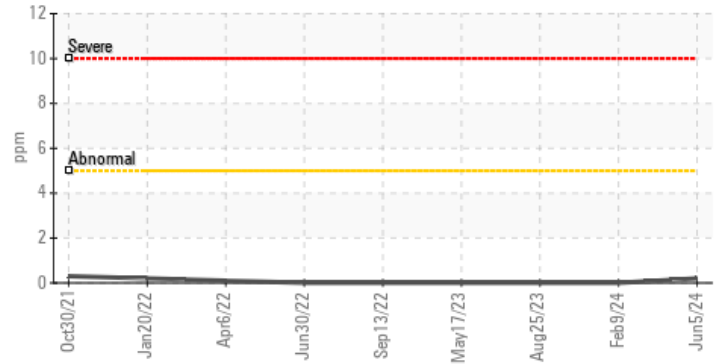
Lead (ppm)



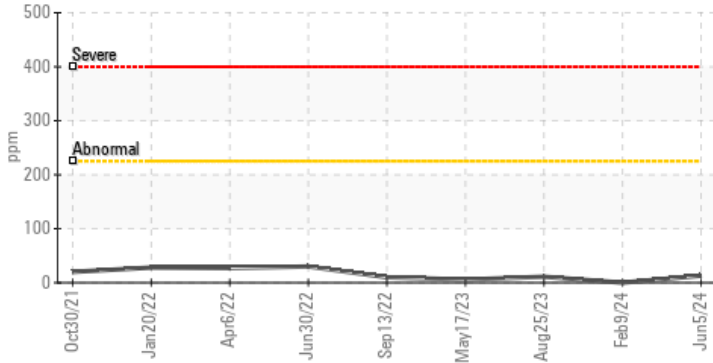
Aluminum (ppm)



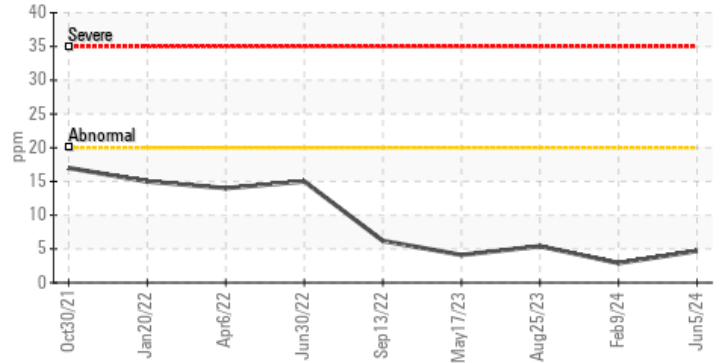
Chromium (ppm)



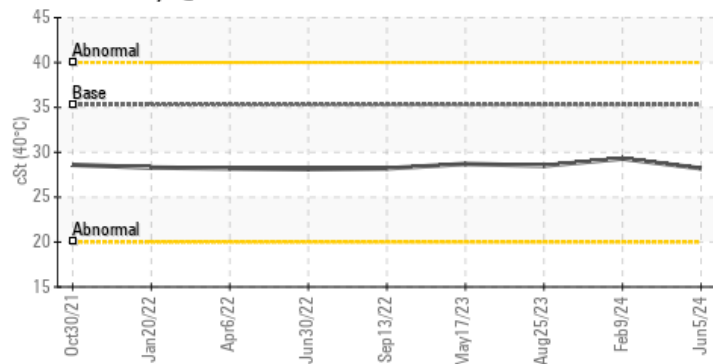
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

