



CONSTRUCTION EQUIPMENT

VOLVO A45G 352704 - TRANSMISSION (AUTO)



Sample No: VCP431887
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No:



SAMPLE INFORMATION

Sample Number	VCP431887	VCP383496	VCP396642	VCP383689
Sample Date	06 Nov 2023	27 Apr 2023	08 Feb 2023	27 Oct 2022
Machine Hours	4902	3920	3450	2979
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.4	28.8	28.9	28.16
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	3	4
Sodium	ppm	3	0	2	0
Potassium	ppm	<1	2	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	10	12	9	11
Copper	ppm	7	8	5	10
Lead	ppm	0	0	0	0
Tin	ppm	<1	1	<1	1
Aluminum	ppm	4	2	2	5
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	79	70	70	78
Magnesium	ppm	2	<1	<1	1
Zinc	ppm	0	2	0	4
Phosphorus	ppm	173	185	187	176
Barium	ppm	0	0	0	0
Boron	ppm	89	100	100	89

Depot: SAIBIR
Unique No: 10749089
Signed: Don Baldrige
Report Date: 20 Nov 2023

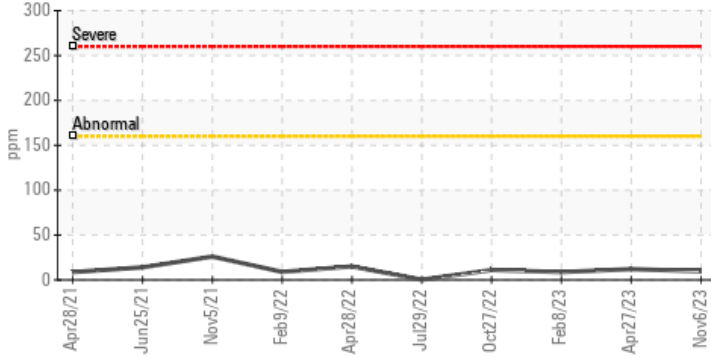


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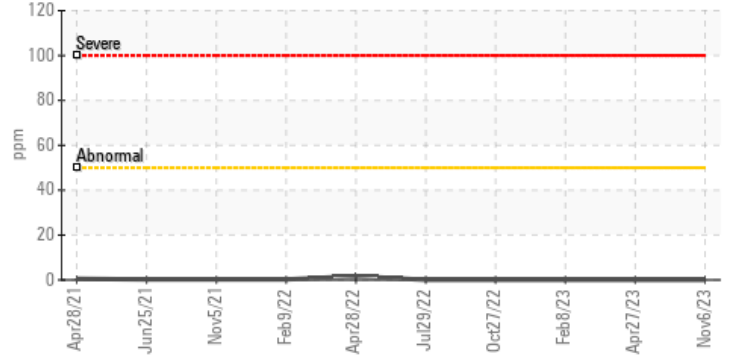


GRAPHS

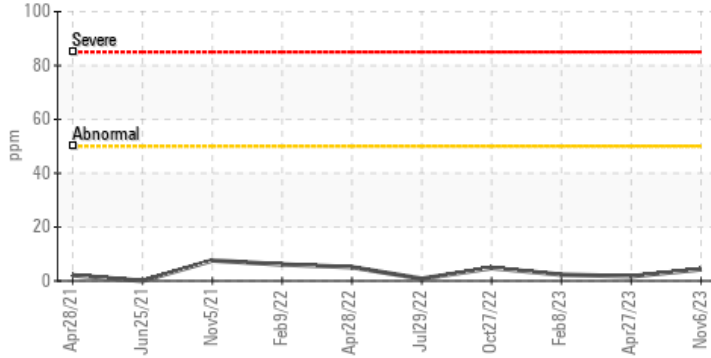
Iron (ppm)



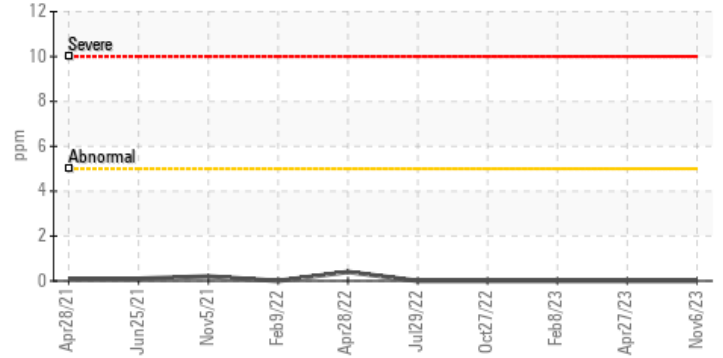
Lead (ppm)



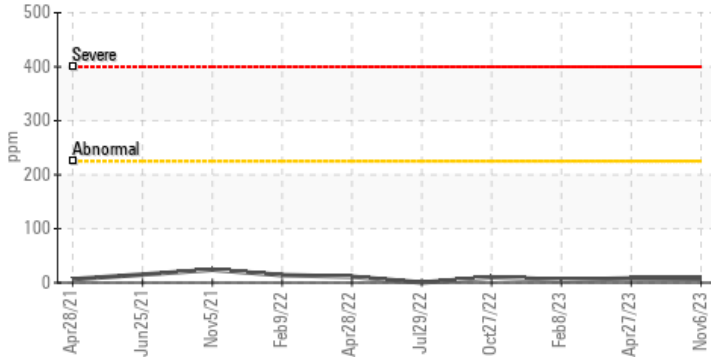
Aluminum (ppm)



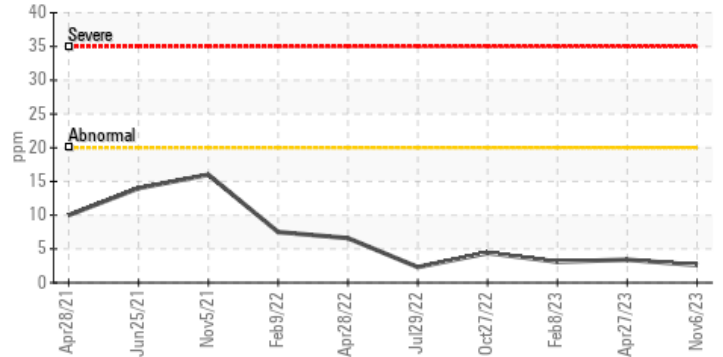
Chromium (ppm)



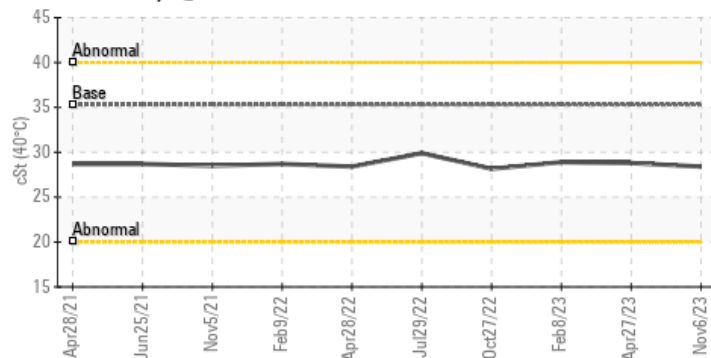
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

