



CONSTRUCTION EQUIPMENT

607997 MOSAIC VOLVO A45G 342286 - TRANSMISSION (AUTO)



Sample No: VCP426339
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 607997 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP426339	VCP420077	VCP409324	VCP388346
Sample Date	29 Sep 2023	05 Jun 2023	15 Feb 2023	21 Oct 2022
Machine Hours	7665	7102	6453	5893
Oil Hours	1000	1100	2000	500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.5	27.9	26.0	26.0
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CONTAMINATION

Silicon	ppm	4	3	7	7
Sodium	ppm	0	3	6	6
Potassium	ppm	2	<1	3	0



WEAR METALS

Iron	ppm	28	25	56	52
Copper	ppm	19	15	42	40
Lead	ppm	<1	0	0	0
Tin	ppm	3	2	7	6
Aluminum	ppm	13	14	30	29
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	3	2	6	6
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	77	74	95	90
Magnesium	ppm	1	0	3	<1
Zinc	ppm	0	0	15	0
Phosphorus	ppm	181	185	150	158
Barium	ppm	0	0	0	0
Boron	ppm	91	81	59	56

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.

Depot: VOLVO0093
Unique No: 10709680
Signed: Wes Davis
Report Date: 24 Oct 2023

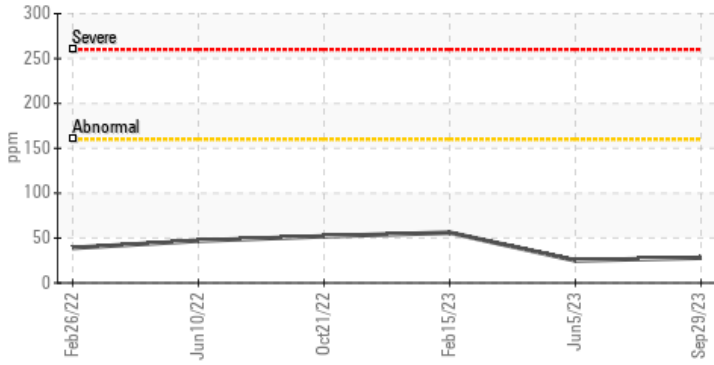


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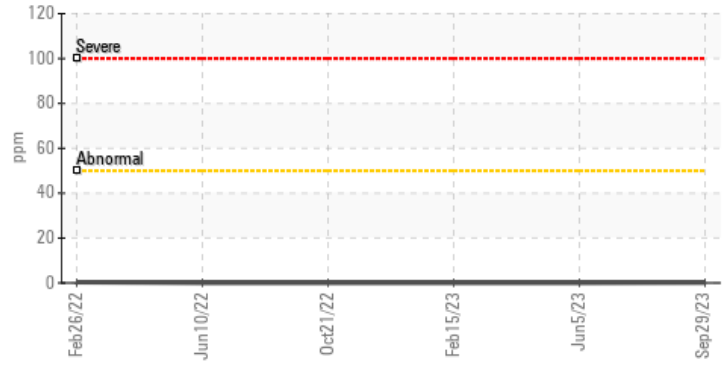


GRAPHS

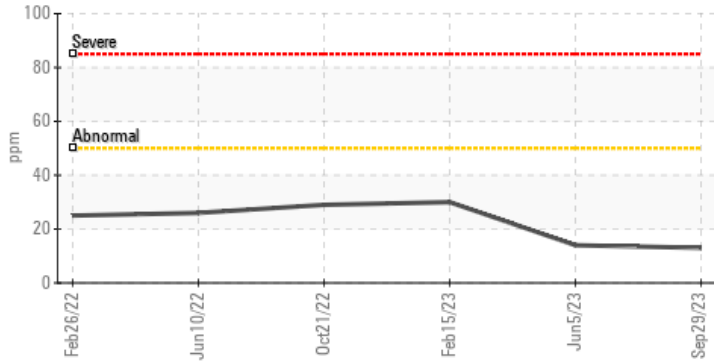
Iron (ppm)



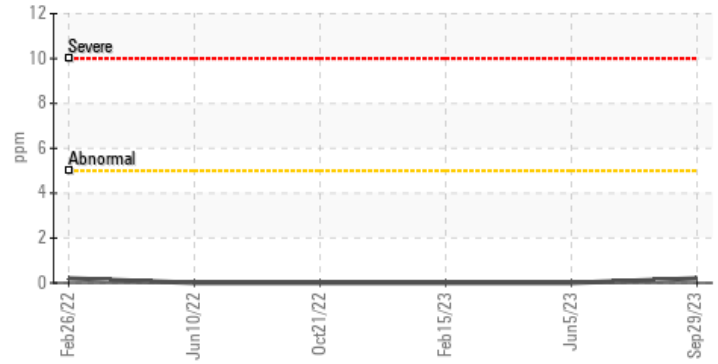
Lead (ppm)



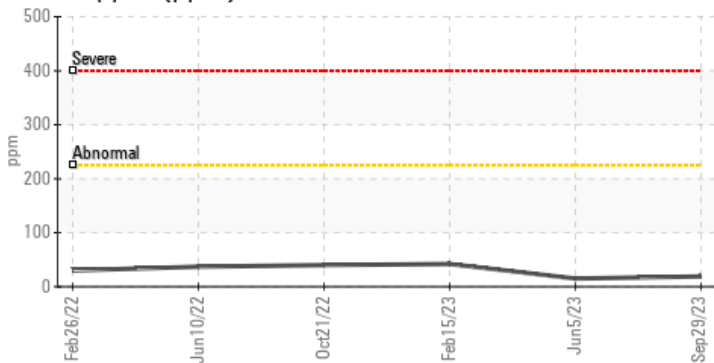
Aluminum (ppm)



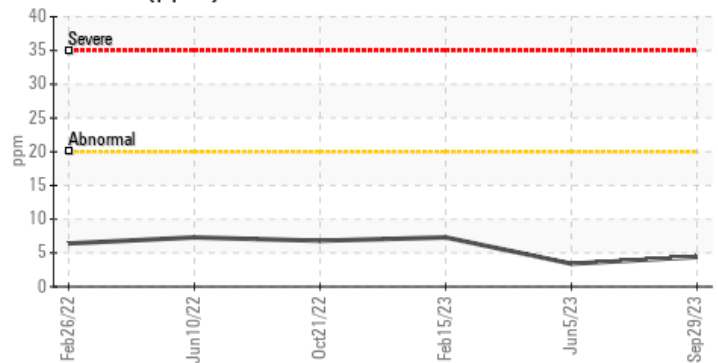
Chromium (ppm)



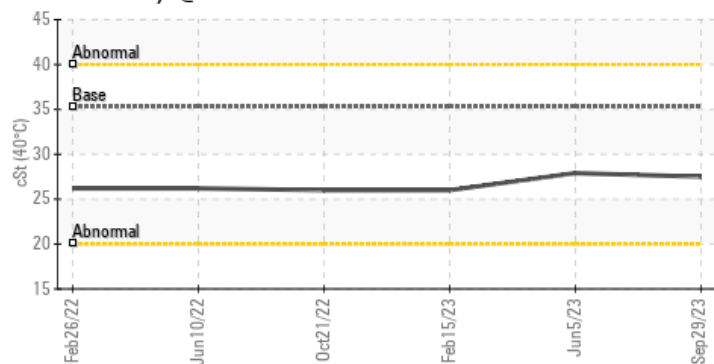
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

