



CONSTRUCTION EQUIPMENT

VOLVO A40G 352780 - TRANSMISSION (AUTO)



Sample No: VCP445658
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP445658	VCP402216	VCP332019	VCP332017
Sample Date	19 Mar 2024	18 Sep 2023	04 Jan 2022	02 Jan 2022
Machine Hours	4328	3652	7065	7065
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	29.2	29.3	28.5	28.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	6	4	16
Sodium	ppm	0	4	4	5
Potassium	ppm	2	<1	<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	29	24	23	34
Copper	ppm	28	22	8	33
Lead	ppm	<1	0	0	0
Tin	ppm	5	3	2	5
Aluminum	ppm	19	12	12	15
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	1	0	<1	<1
Nickel	ppm	4	2	<1	4
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	<1	<1	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	95	80	78	76
Magnesium	ppm	4	3	3	<1
Zinc	ppm	62	45	9	9
Phosphorus	ppm	246	220	194	192
Barium	ppm	1	0	0	0
Boron	ppm	87	75	88	72

Depot: VOLVO0090
Unique No: 10942436
Signed: Wes Davis
Report Date: 26 Mar 2024

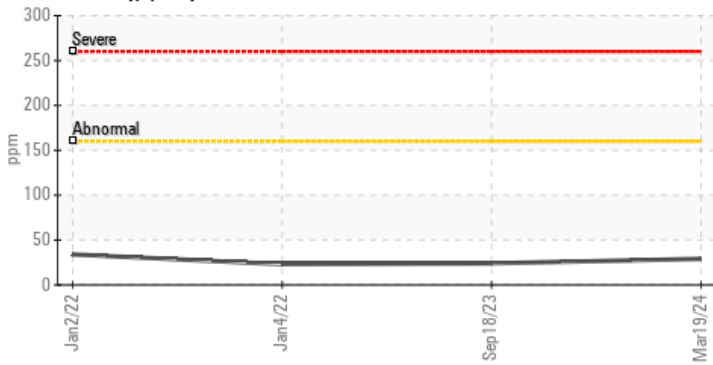


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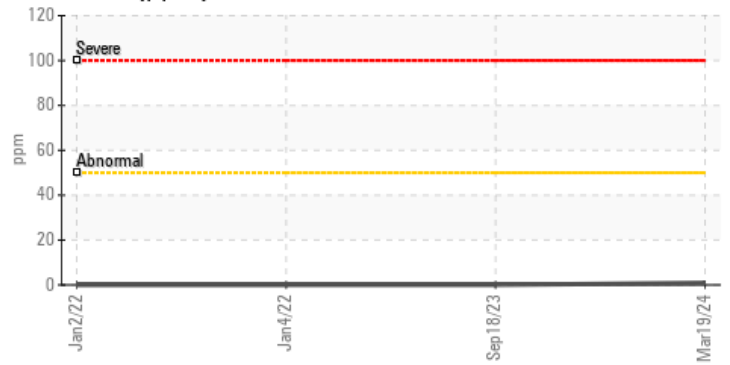


GRAPHS

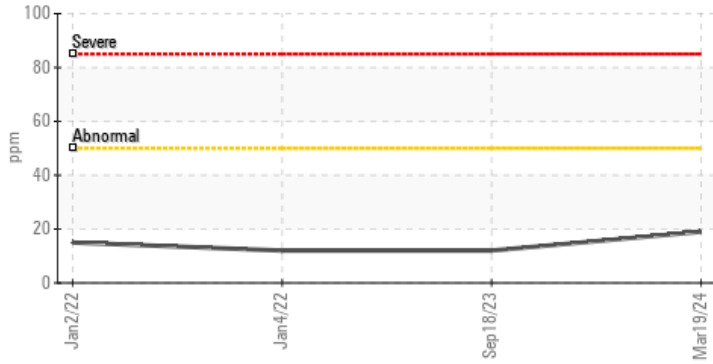
Iron (ppm)



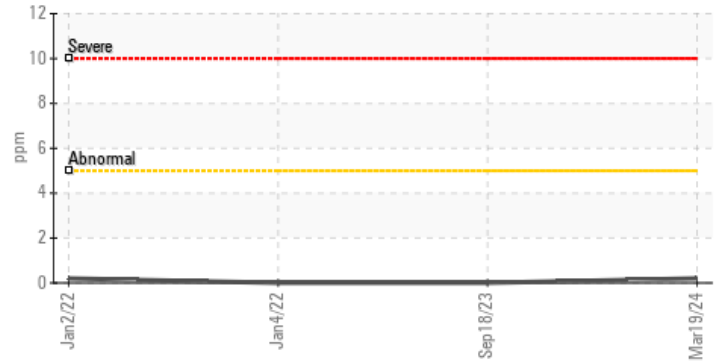
Lead (ppm)



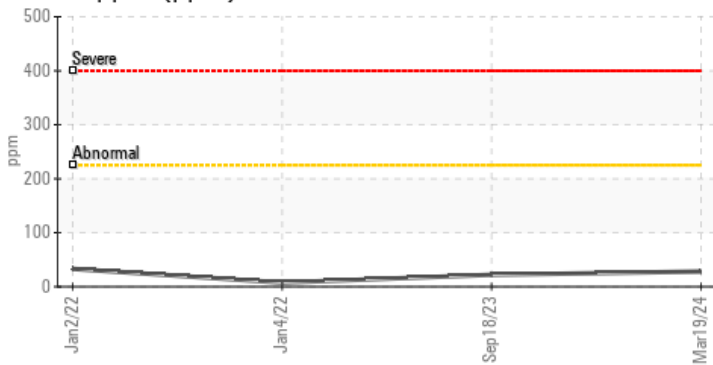
Aluminum (ppm)



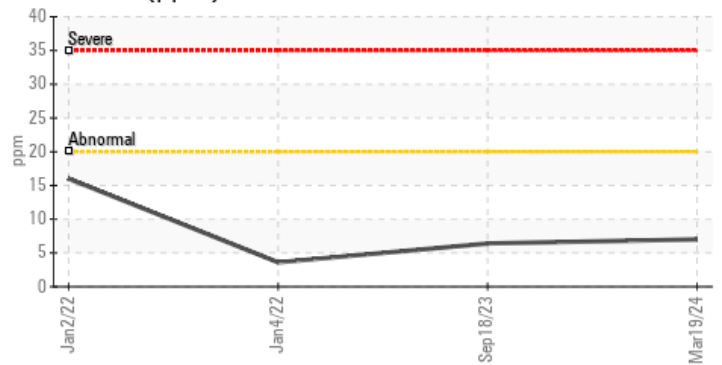
Chromium (ppm)



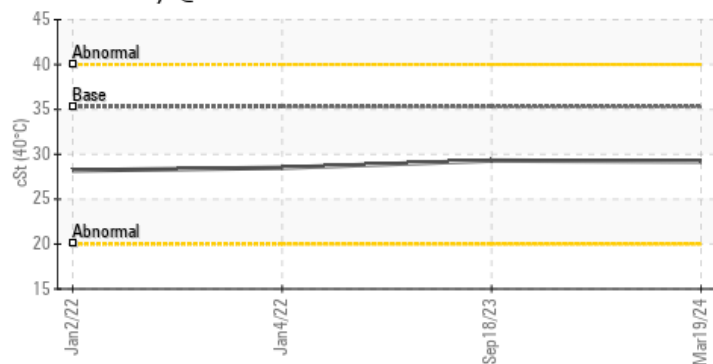
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

