



CONSTRUCTION EQUIPMENT

399876 622667 - TRANSMISSION (AUTO)



Sample No: VCP448069
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 399876



SAMPLE INFORMATION

Sample Number	VCP448069	VCP391810	VCP394627	VCP352916
Sample Date	13 Apr 2024	10 Nov 2023	31 May 2023	22 Dec 2022
Machine Hours	3000	2500	1466	1053
Oil Hours	3000	2500	1466	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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Contact: Dan Brown
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T:
F:

OIL CONDITION

Visc @ 40°C	cSt	28.3	28.6	28.8	29.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	11	11	10
Sodium	ppm	5	5	4	4
Potassium	ppm	2	<1	2	2

WEAR METALS

PQ		7	9	---	---
Iron	ppm	216	187	132	105
Copper	ppm	12	11	10	8
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	10	10	10	9
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	77	75	79	79
Magnesium	ppm	3	3	3	3
Zinc	ppm	73	70	67	64
Phosphorus	ppm	200	198	215	216
Barium	ppm	1	2	1	1
Boron	ppm	47	46	50	53

Diagnosis

We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: HOLCON
Unique No: 5762823
Signed: Kevin Marson
Report Date: 18 Apr 2024

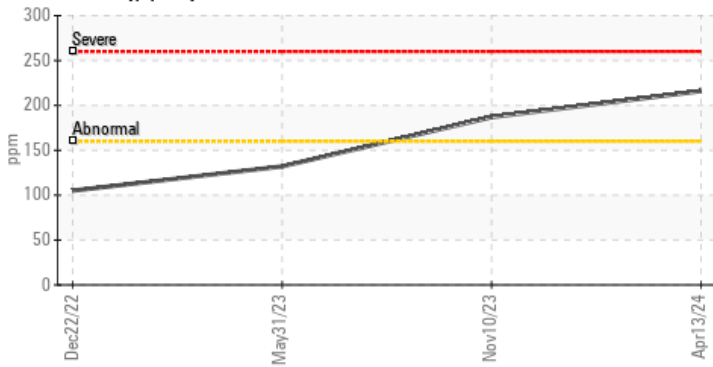


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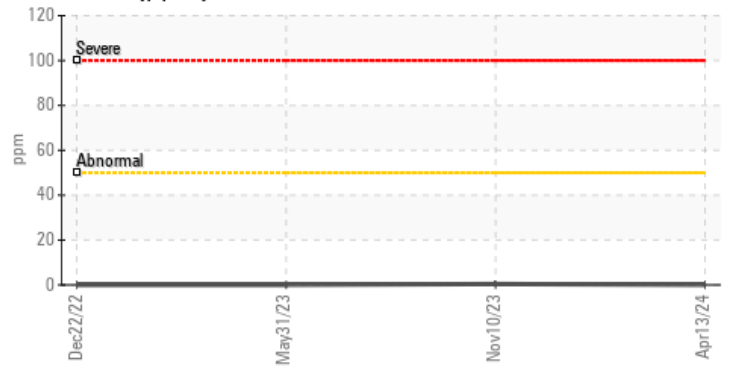


GRAPHS

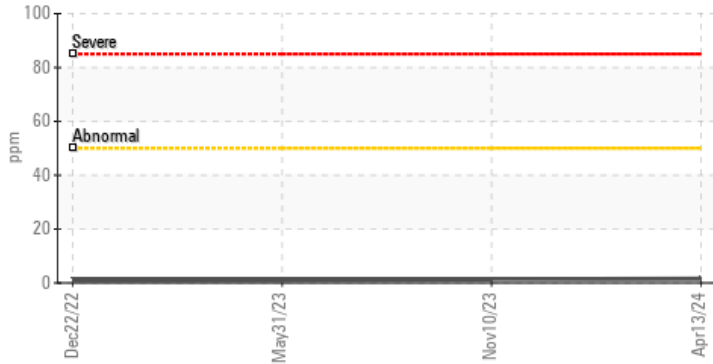
▲ Iron (ppm)



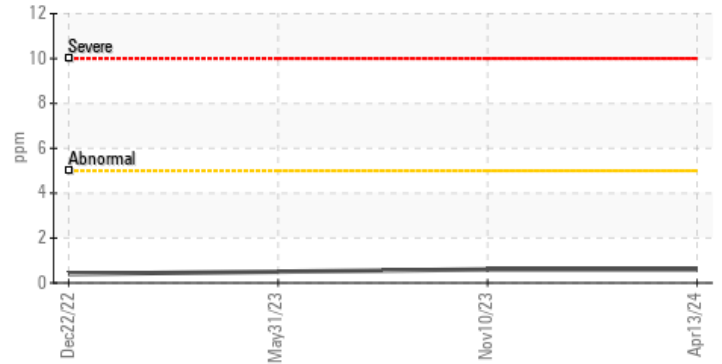
Lead (ppm)



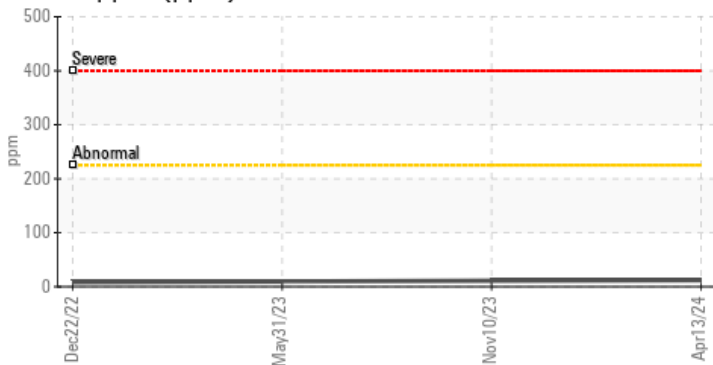
Aluminum (ppm)



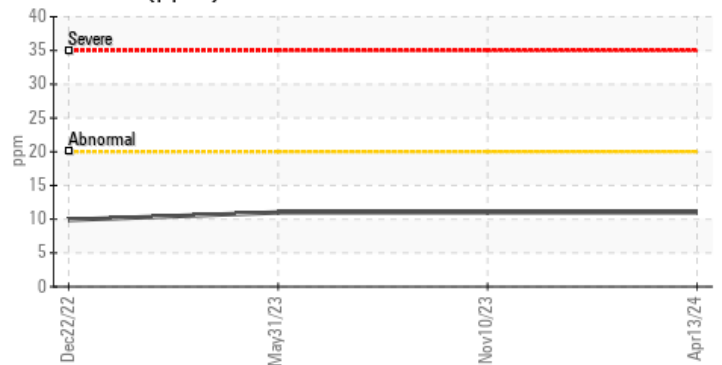
Chromium (ppm)



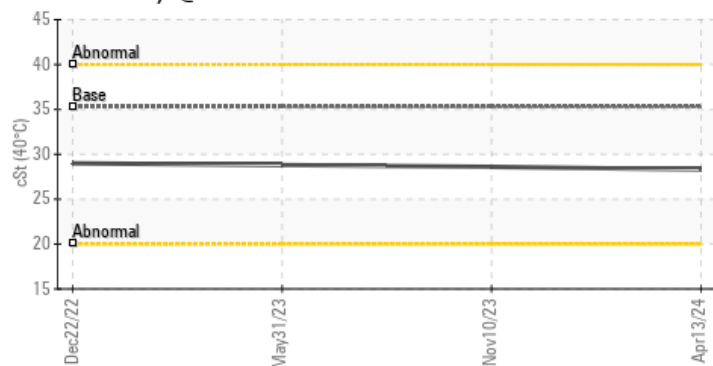
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



PQ

