



CONSTRUCTION EQUIPMENT

SWO-068706 VOLVO A45G 352134 - BRAKE



Sample No: VCP438021
Oil Type: {unknown}
Job No: SWO-068706



SAMPLE INFORMATION

Sample Number	VCP438021	VCP431054	VCP431974	VCP417946
Sample Date	04 Jan 2024	22 Nov 2023	26 Sep 2023	31 Jul 2023
Machine Hours	8960	8724	8228	7719
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	47.9	48.3	46.9	48.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	18	20	23
Sodium	ppm	0	2	3	<1
Potassium	ppm	2	<1	0	1



WEAR METALS

Iron	ppm	115	77	91	86
Copper	ppm	132	115	165	181
Lead	ppm	<1	0	1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	3	4	7	7
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	6	3	5	6
Nickel	ppm	3	3	4	4
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2773	2654	2549	2759
Magnesium	ppm	106	76	34	33
Zinc	ppm	1307	1253	1205	1193
Phosphorus	ppm	1123	1043	1042	1079
Barium	ppm	2	0	0	0
Boron	ppm	92	73	82	101

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10830991
Signed: Jonathan Hester
Report Date: 16 Jan 2024

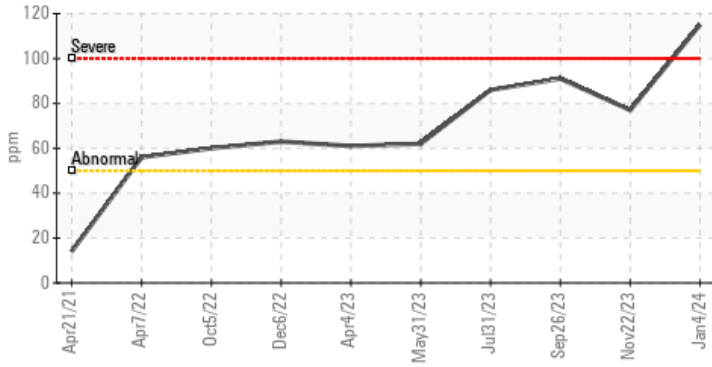


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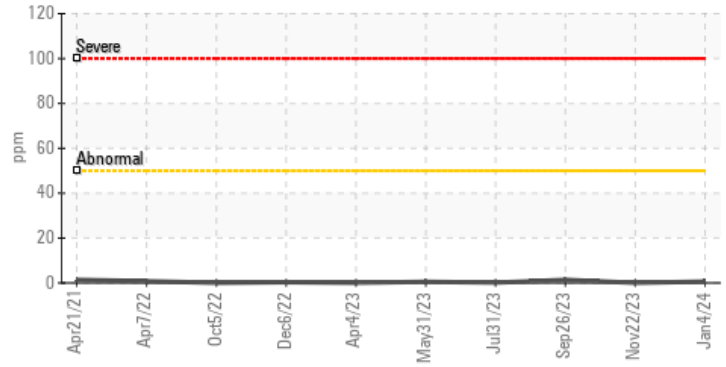


GRAPHS

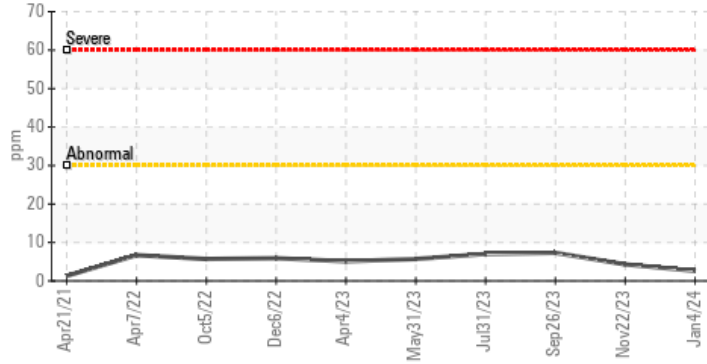
▲ Iron (ppm)



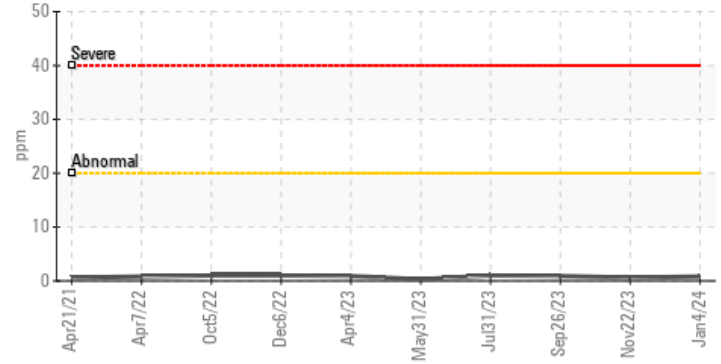
Lead (ppm)



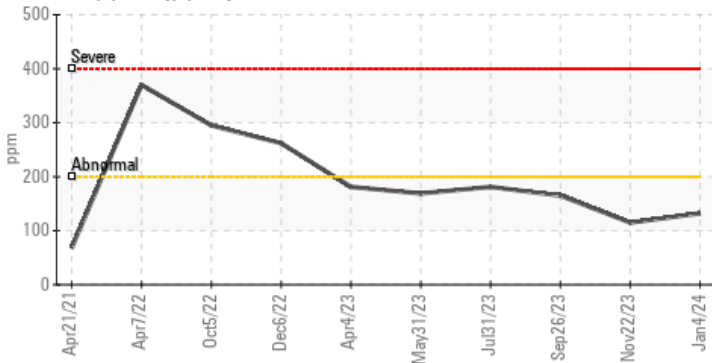
Aluminum (ppm)



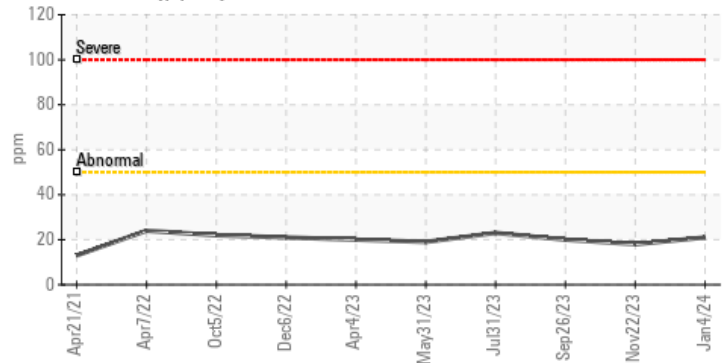
Chromium (ppm)



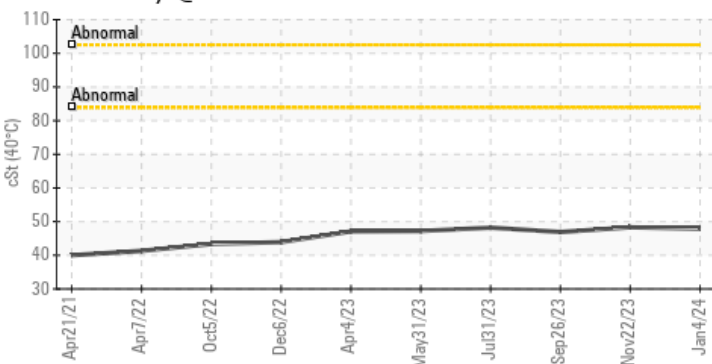
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

