



CONSTRUCTION EQUIPMENT

SWO-070936 VOLVO A45G 352708 - TANK BRAKE



Sample No: VCP436274
Oil Type: {unknown}
Job No: SWO-070936



SAMPLE INFORMATION

Sample Number	VCP436274	VCP431116	VCP404724	VCP396770
Sample Date	04 Apr 2024	11 Sep 2023	06 Jul 2023	24 Mar 2023
Machine Hours	5405	4418	3920	3429
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	43.7	46.3	40.1	41.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	15	18	19
Sodium	ppm	8	8	10	11
Potassium	ppm	3	0	0	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	30	14	29	33
Copper	ppm	172	151	194	177
Lead	ppm	<1	0	0	2
Tin	ppm	1	<1	0	<1
Aluminum	ppm	2	1	2	<1
Chromium	ppm	2	<1	<1	1
Molybdenum	ppm	3	<1	<1	<1
Nickel	ppm	6	5	6	6
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3453	3183	3484	3687
Magnesium	ppm	24	25	10	16
Zinc	ppm	1521	1460	1585	1621
Phosphorus	ppm	1333	1257	1307	1299
Barium	ppm	<1	0	0	0
Boron	ppm	112	103	105	117

Depot: SAIBIR
Unique No: 10968188
Signed: Jonathan Hester
Report Date: 12 Apr 2024

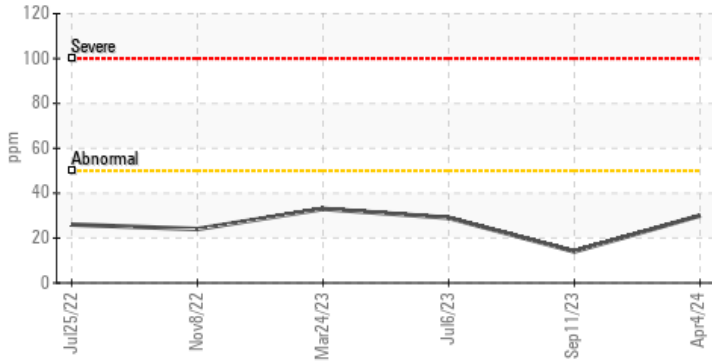


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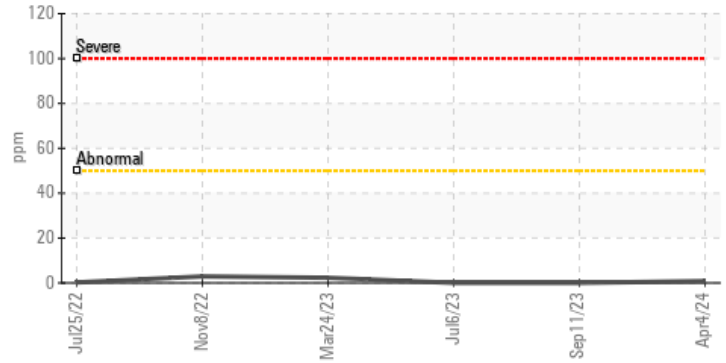


GRAPHS

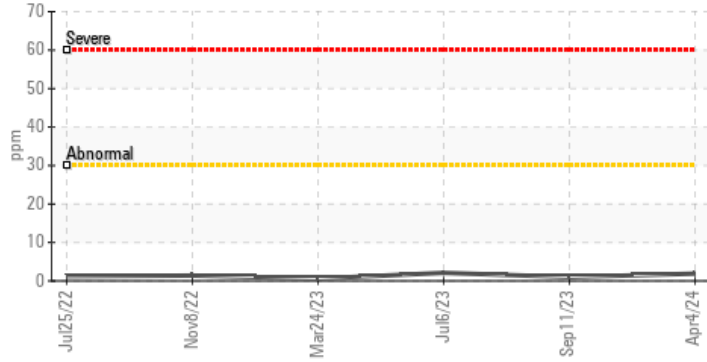
Iron (ppm)



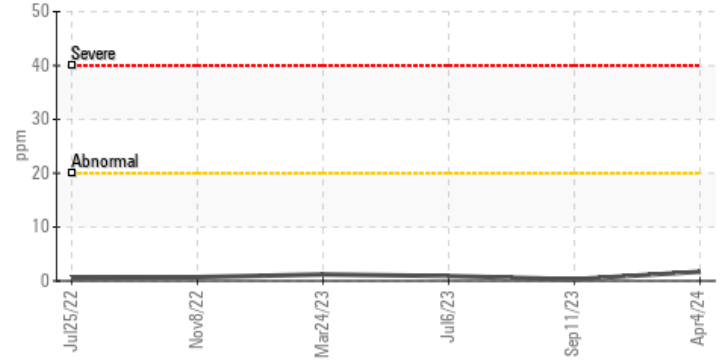
Lead (ppm)



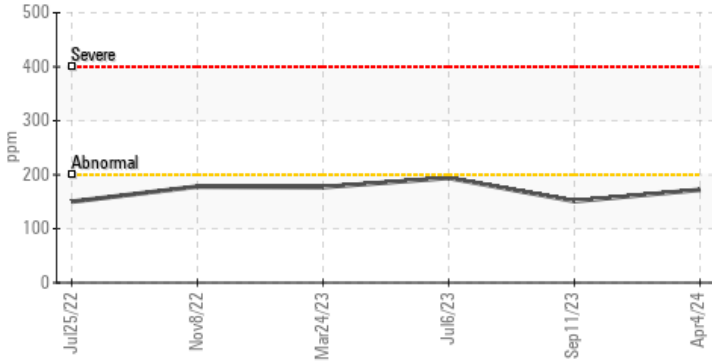
Aluminum (ppm)



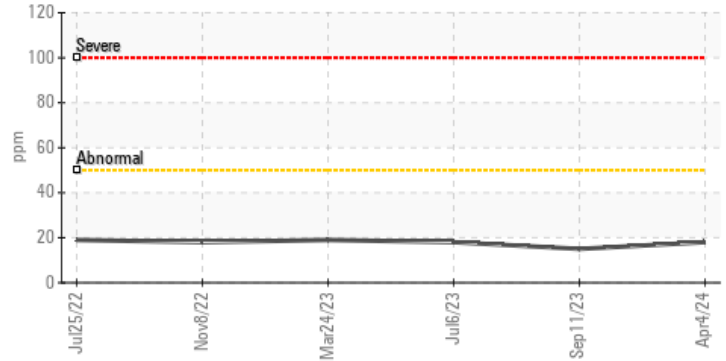
Chromium (ppm)



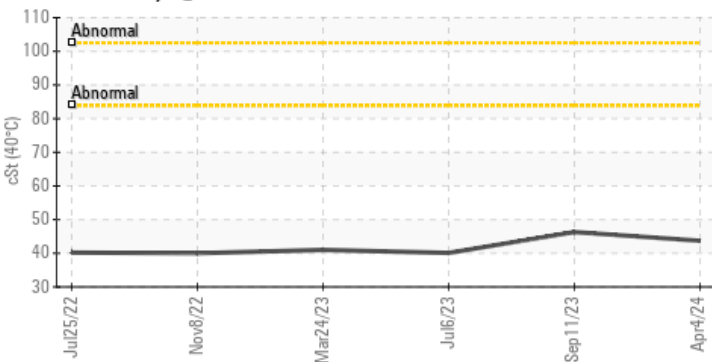
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

