



CONSTRUCTION EQUIPMENT

SWO-070857 VOLVO A45G 352704 - TANK BRAKE



Sample No: VCP444068
Oil Type: {unknown}
Job No: SWO-070857



SAMPLE INFORMATION

Sample Number	VCP444068	VCP431971	VCP389124	VCP402629
Sample Date	03 Apr 2024	06 Nov 2023	17 Jul 2023	27 Apr 2023
Machine Hours	5412	4902	4405	3920
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	43.5	42.7	43.3	40.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	19	17	17	19
Sodium	ppm	8	8	8	6
Potassium	ppm	3	<1	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	34	25	25	29
Copper	ppm	183	172	151	227
Lead	ppm	<1	<1	2	0
Tin	ppm	1	<1	<1	0
Aluminum	ppm	2	2	<1	0
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	3	1	3	<1
Nickel	ppm	6	5	5	6
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	1	1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	3419	3338	3361	3487
Magnesium	ppm	33	36	27	8
Zinc	ppm	1480	1492	1425	1468
Phosphorus	ppm	1303	1217	1169	1251
Barium	ppm	<1	0	0	0
Boron	ppm	110	115	113	120

Depot: SAIBIR
Unique No: 10968187
Signed: Jonathan Hester
Report Date: 12 Apr 2024

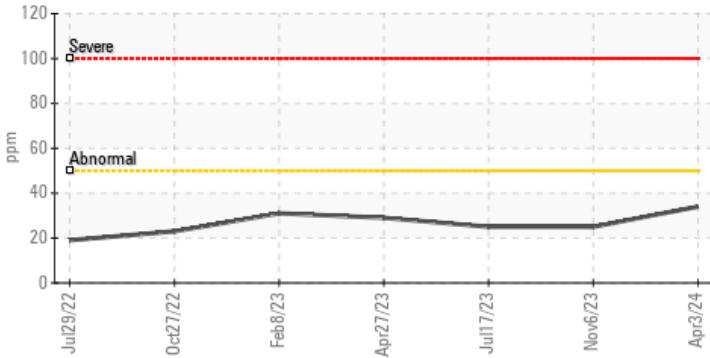


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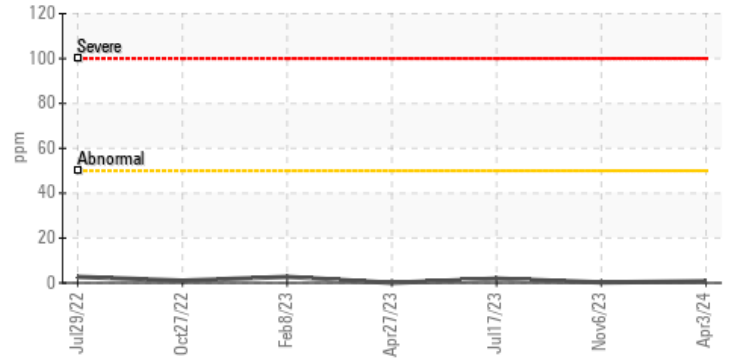


GRAPHS

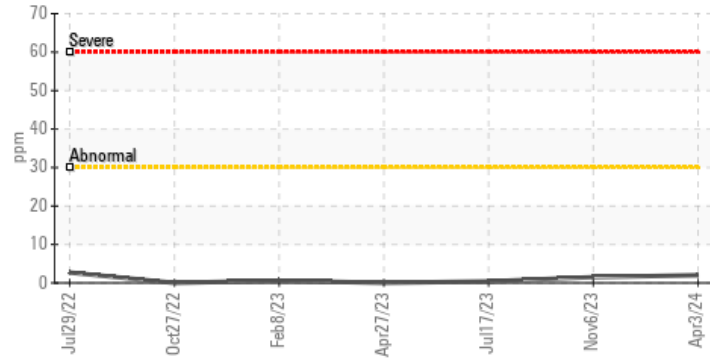
Iron (ppm)



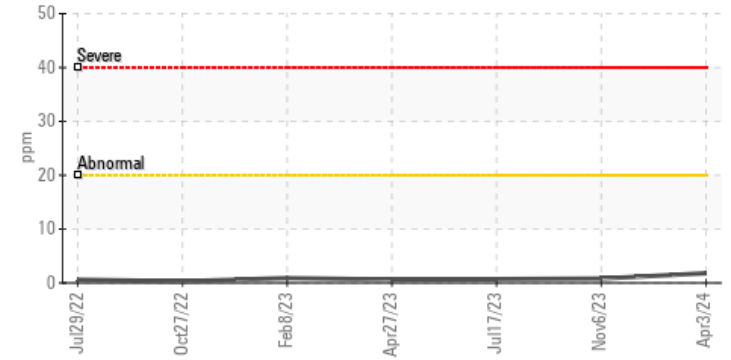
Lead (ppm)



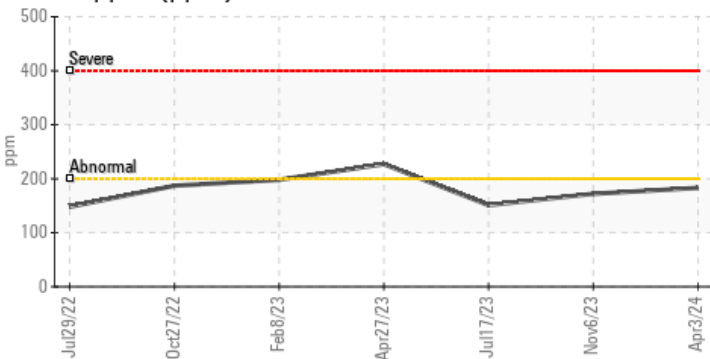
Aluminum (ppm)



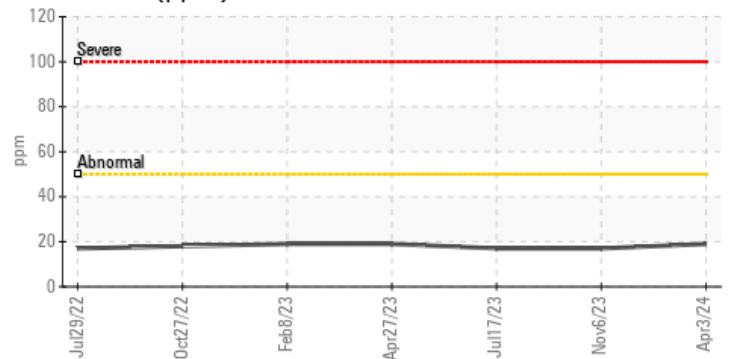
Chromium (ppm)



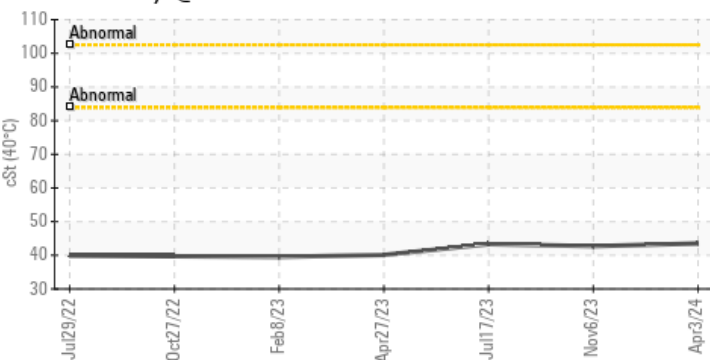
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

