



CONSTRUCTION EQUIPMENT

SWO064011 VOLVO A45G 352704 - TANK BRAKE



Sample No: VCP389124
Oil Type: VOLVO
Job No: SWO064011



SAMPLE INFORMATION

Sample Number	VCP389124	VCP402629	VCP394359	VCP388270
Sample Date	17 Jul 2023	27 Apr 2023	08 Feb 2023	27 Oct 2022
Machine Hours	4405	3920	3450	2979
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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US 35207

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OIL CONDITION

Visc @ 40°C	cSt	43.3	40.1	39.5	39.7
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CONTAMINATION

Silicon	ppm	17	19	19	18
Sodium	ppm	8	6	11	9
Potassium	ppm	0	2	0	0



WEAR METALS

Iron	ppm	25	29	31	23
Copper	ppm	151	227	198	187
Lead	ppm	2	0	3	1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	<1	<1	0
Nickel	ppm	5	6	7	6
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	1
Manganese	ppm	1	1	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3361	3487	3422	3493
Magnesium	ppm	27	8	12	12
Zinc	ppm	1425	1468	1466	1416
Phosphorus	ppm	1169	1251	1192	1145
Barium	ppm	0	0	0	0
Boron	ppm	113	120	122	121

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.

Depot: SAIBIR
Unique No: 10564888
Signed: Don Baldrige
Report Date: 24 Jul 2023

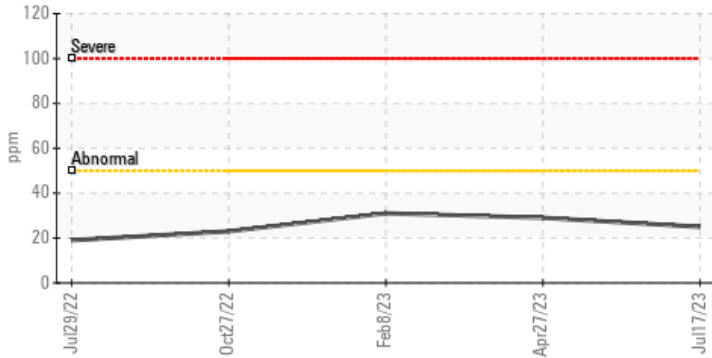


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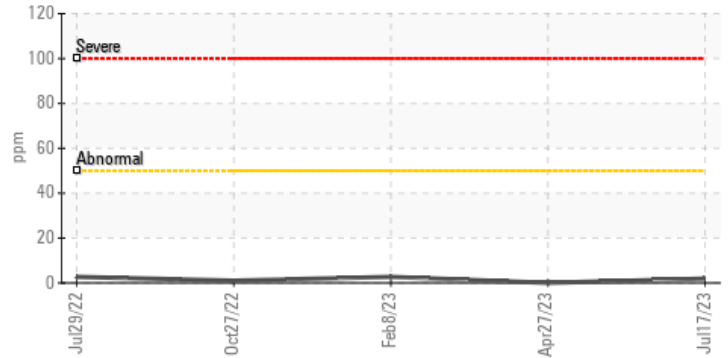


GRAPHS

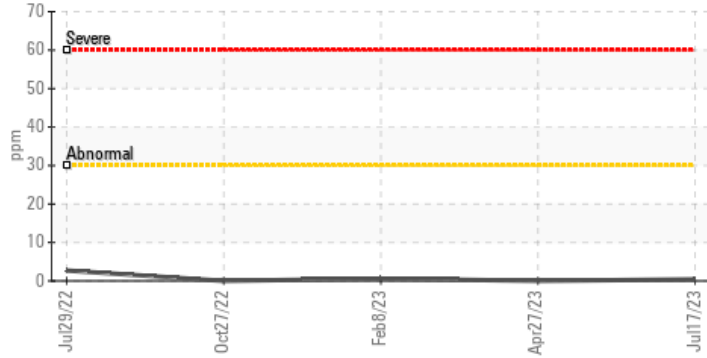
Iron (ppm)



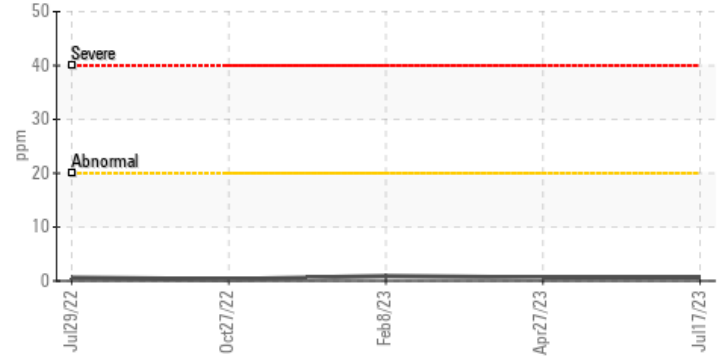
Lead (ppm)



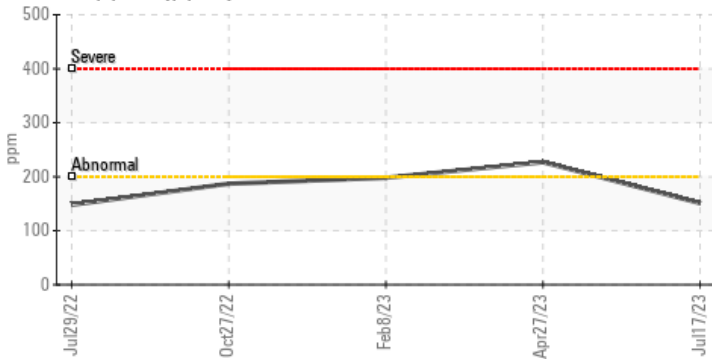
Aluminum (ppm)



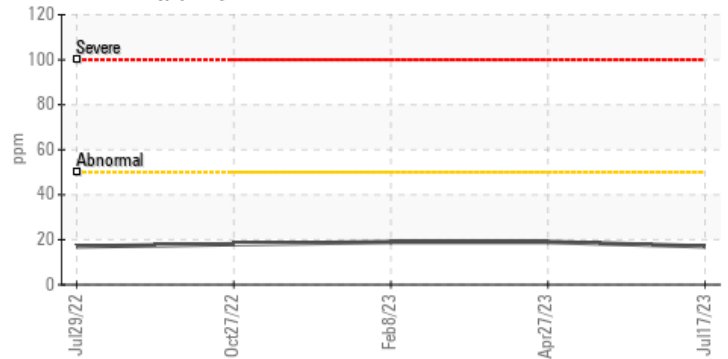
Chromium (ppm)



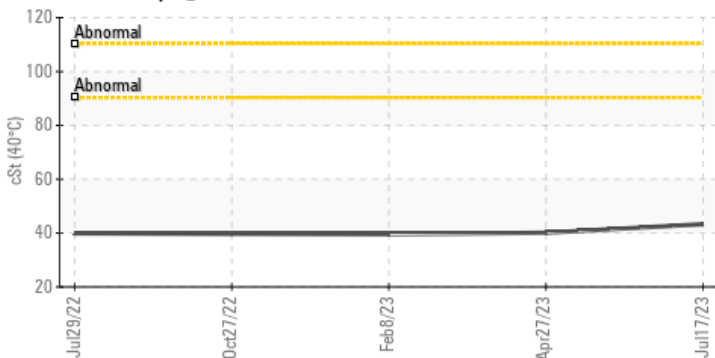
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

