



CONSTRUCTION EQUIPMENT

SWO-065063 VOLVO A45G 352734 - BRAKE



Sample No: VCP427326
Oil Type: NOT GIVEN
Job No: SWO-065063



SAMPLE INFORMATION

Sample Number	VCP427326	VCP382601	VCP380788	VCP370848
Sample Date	21 Aug 2023	27 Apr 2023	17 Jan 2023	12 Oct 2022
Machine Hours	3997	3463	2987	2471
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
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	40.2	40.0	40.1	40.1
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CONTAMINATION

Silicon	ppm	22	22	23	20
Sodium	ppm	11	6	11	11
Potassium	ppm	0	2	<1	0



WEAR METALS

Iron	ppm	48	46	56	44
Copper	ppm	205	208	170	163
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	4	<1	3	2
Chromium	ppm	1	1	2	1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	6	6	6	5
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3428	3450	3509	3469
Magnesium	ppm	14	8	13	11
Zinc	ppm	1479	1481	1499	1473
Phosphorus	ppm	1280	1263	1191	1244
Barium	ppm	0	0	0	0
Boron	ppm	126	121	120	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 oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10622847
Signed: Don Baldrige
Report Date: 30 Aug 2023

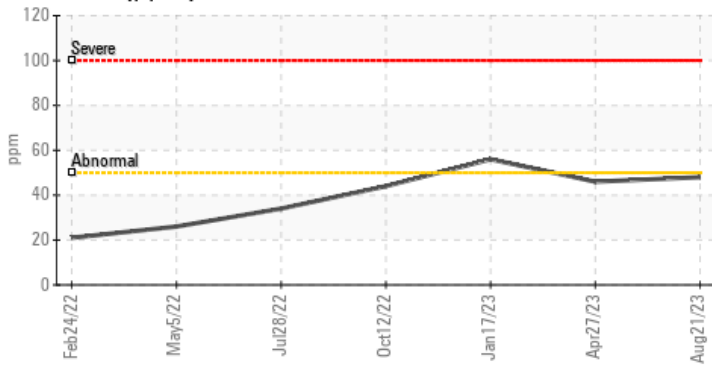


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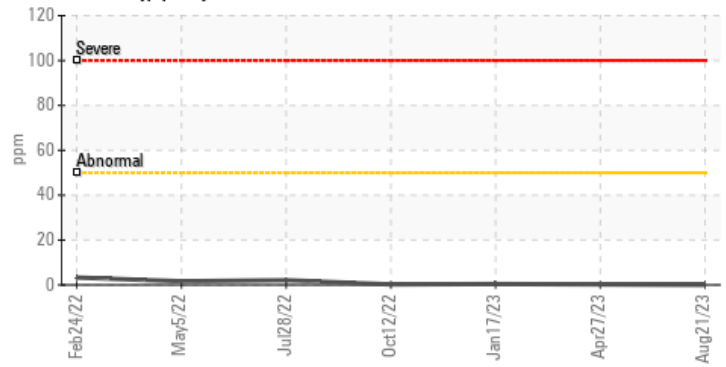


GRAPHS

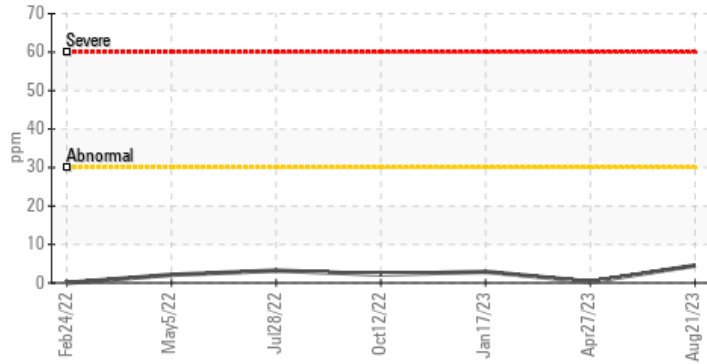
Iron (ppm)



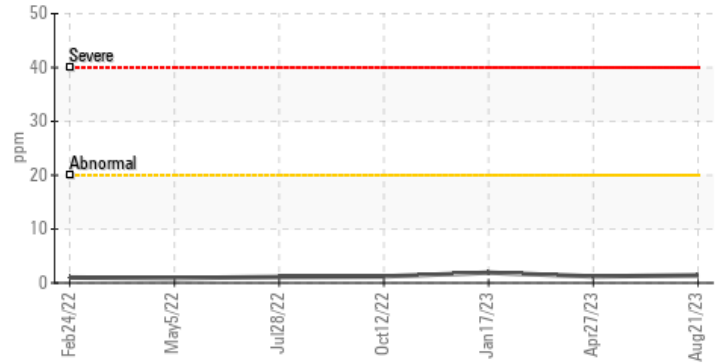
Lead (ppm)



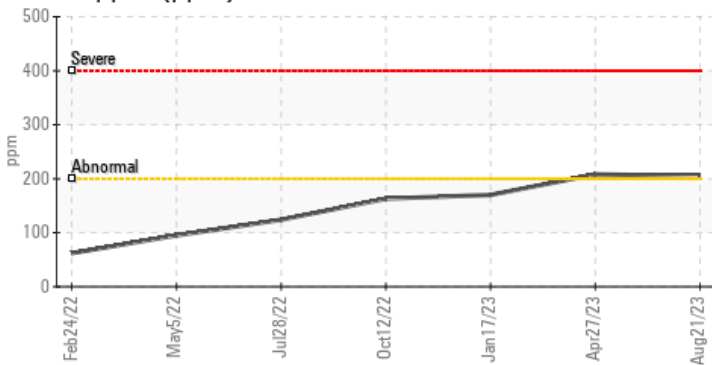
Aluminum (ppm)



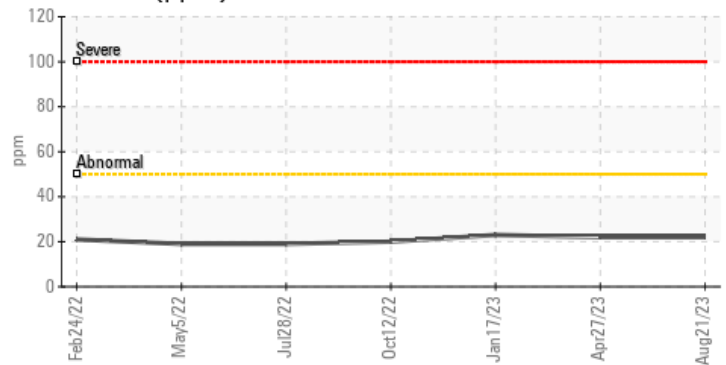
Chromium (ppm)



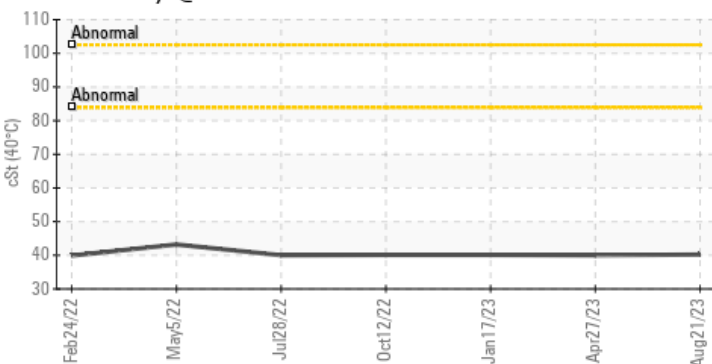
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

