



CONSTRUCTION EQUIPMENT

SWO-069432 VOLVO A45G 352565 - BRAKE



Sample No: VCP441024
Oil Type: {unknown}
Job No: SWO-069432



SAMPLE INFORMATION

Sample Number	VCP441024	VCP432350	VCP429592	VCP416728
Sample Date	06 Feb 2024	06 Dec 2023	03 Oct 2023	31 Jul 2023
Machine Hours	9060	8568	8080	7625
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	48.8	48.4	45.5	46.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	14	13	15
Sodium	ppm	0	0	5	3
Potassium	ppm	1	2	0	<1

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.



WEAR METALS

Iron	ppm	21	20	19	21
Copper	ppm	108	110	123	132
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	<1	2
Chromium	ppm	1	0	<1	<1
Molybdenum	ppm	5	4	3	6
Nickel	ppm	5	4	4	5
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3205	3180	2789	2928
Magnesium	ppm	40	39	35	33
Zinc	ppm	1403	1356	1231	1285
Phosphorus	ppm	1264	1232	1117	1181
Barium	ppm	0	0	0	0
Boron	ppm	107	105	79	120

Depot: SAIBIR
Unique No: 10872543
Signed: Don Baldrige
Report Date: 12 Feb 2024

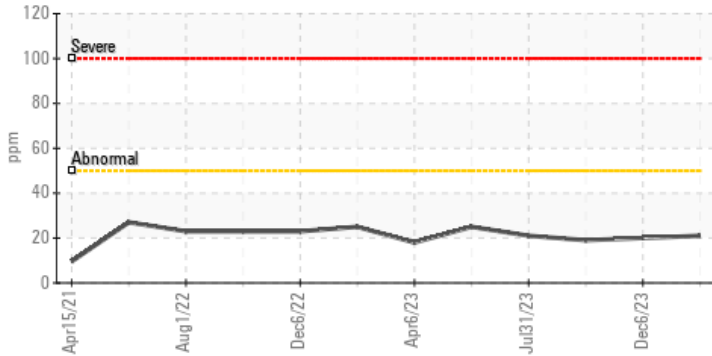


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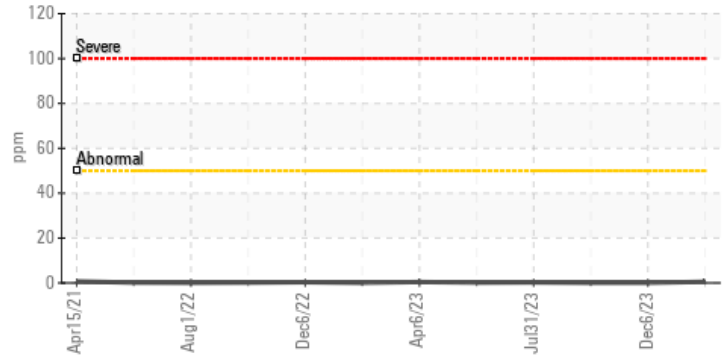


GRAPHS

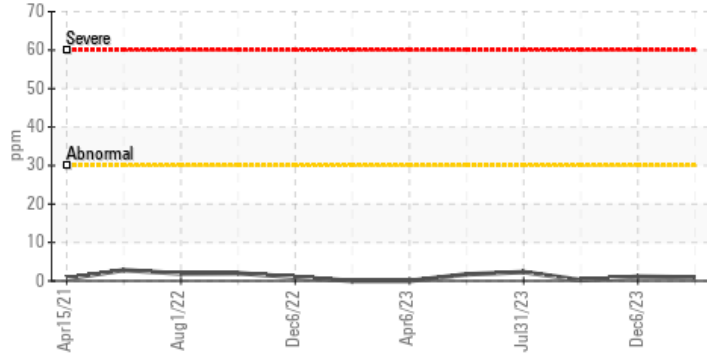
Iron (ppm)



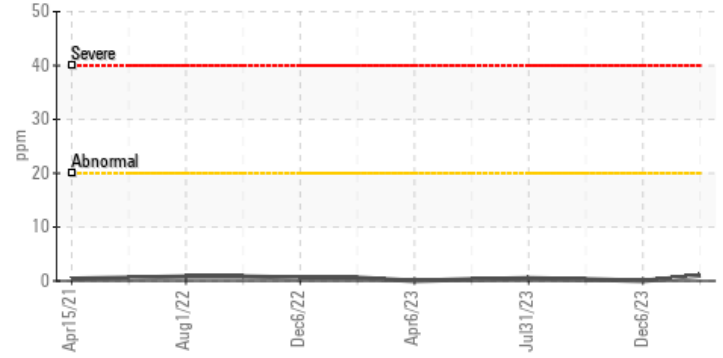
Lead (ppm)



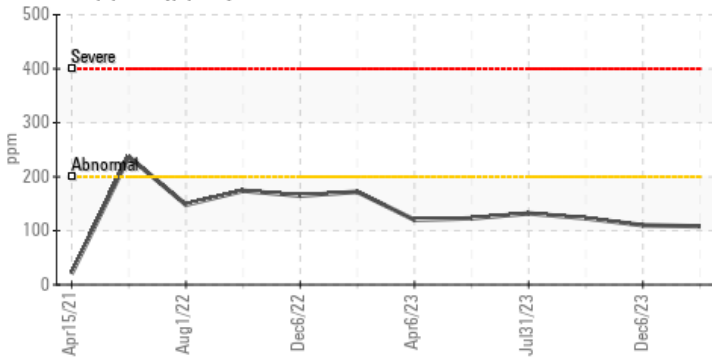
Aluminum (ppm)



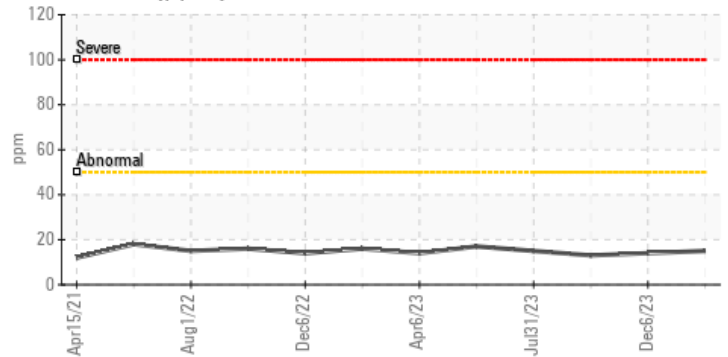
Chromium (ppm)



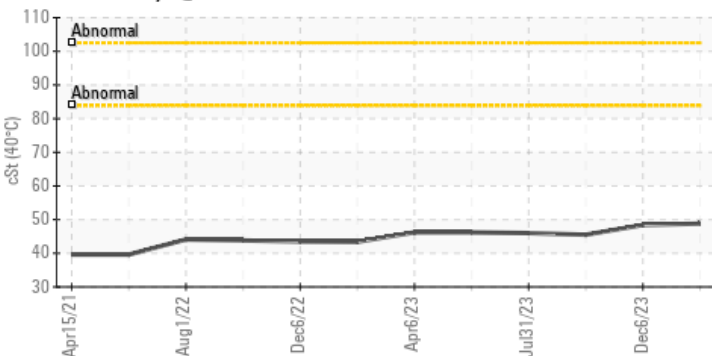
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

