



CONSTRUCTION EQUIPMENT

SWO-068624 VOLVO A45G 352769 - TANK BRAKE



Sample No: VCP441236
Oil Type: {unknown}
Job No: SWO-068624



SAMPLE INFORMATION

Sample Number	VCP441236	VCP419149	VCP401134	VCP383830
Sample Date	05 Jan 2024	21 Jun 2023	02 Mar 2023	05 Dec 2022
Machine Hours	4942	3875	3355	2886
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	43.6	42.2	40.5	40.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	19	19	20
Sodium	ppm	3	11	7	10
Potassium	ppm	3	<1	<1	0



WEAR METALS

Iron	ppm	48	31	39	50
Copper	ppm	121	118	120	105
Lead	ppm	<1	2	0	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	4	0	2
Chromium	ppm	1	1	0	2
Molybdenum	ppm	2	<1	0	<1
Nickel	ppm	6	6	5	6
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3658	2945	3485	3494
Magnesium	ppm	26	11	8	13
Zinc	ppm	1537	1385	1486	1338
Phosphorus	ppm	1289	1182	1241	1167
Barium	ppm	2	0	<1	0
Boron	ppm	140	103	110	114

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: 10831008
Signed: Jonathan Hester
Report Date: 16 Jan 2024

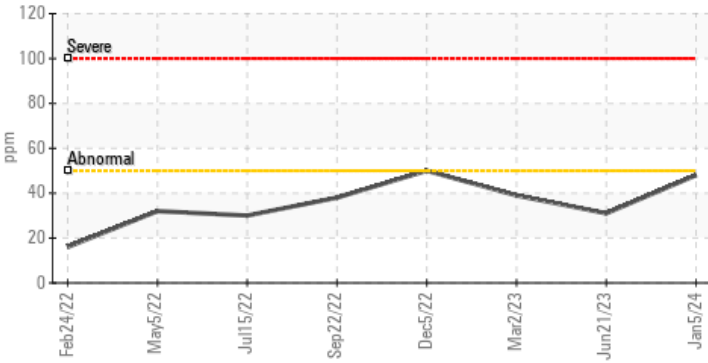


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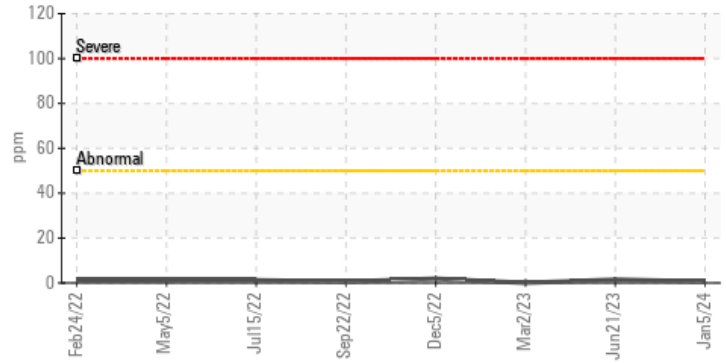


VOLVO GRAPHS

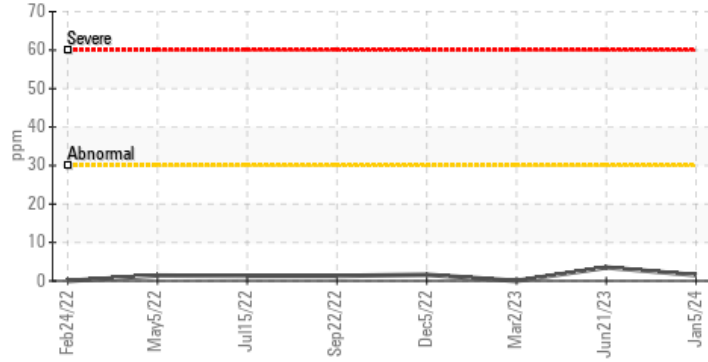
Iron (ppm)



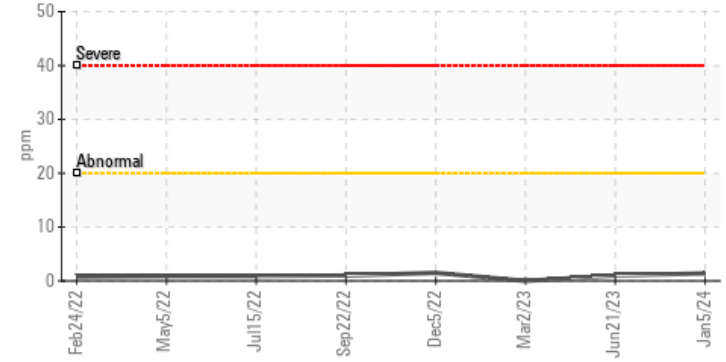
Lead (ppm)



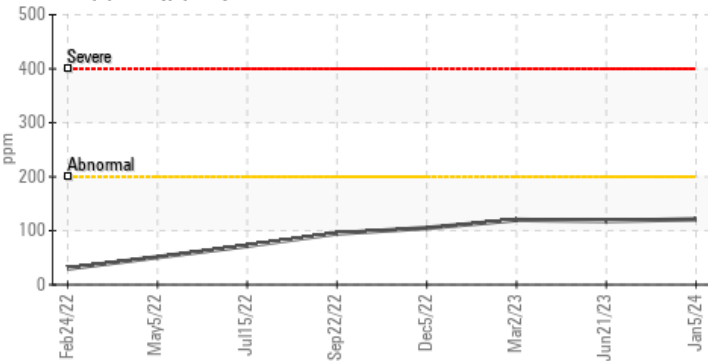
Aluminum (ppm)



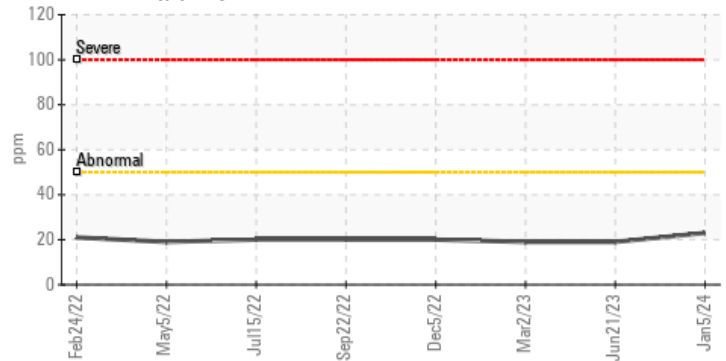
Chromium (ppm)



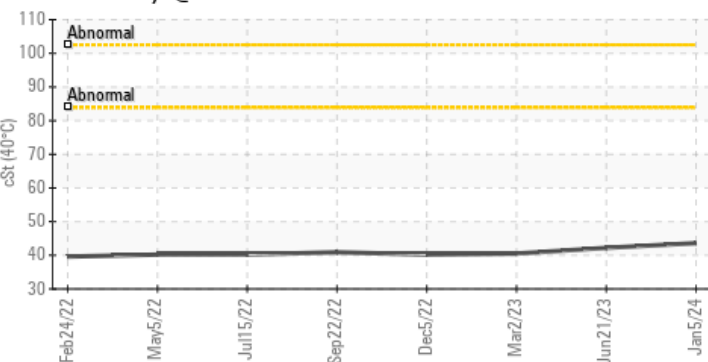
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

