



CONSTRUCTION EQUIPMENT

SWO-067654 VOLVO A45G 352708 - WET DISC BRAKE



Sample No: VCP445735
Oil Type: NOT GIVEN
Job No: SWO-067654



SAMPLE INFORMATION

Sample Number	VCP445735	VCP349150	VCP347577	VCP318088
Sample Date	20 Nov 2023	01 Apr 2022	15 Dec 2021	25 Sep 2021
Machine Hours	4925	1868	1397	940
Oil Hours	0	1868	1397	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	43.4	40.0	40.0	41.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	16	18	16
Sodium	ppm	8	10	12	12
Potassium	ppm	0	<1	<1	1



WEAR METALS

Iron	ppm	25	19	13	13
Copper	ppm	159	101	87	45
Lead	ppm	1	<1	<1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	1	<1	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	<1	<1	<1
Nickel	ppm	5	5	5	4
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3194	3674	3852	3792
Magnesium	ppm	24	12	11	9
Zinc	ppm	1472	1488	1615	1460
Phosphorus	ppm	1206	1272	1462	1276
Barium	ppm	0	0	0	0
Boron	ppm	110	109	135	124

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The iron level is abnormal. The copper level is abnormal. 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: 10755964
Signed: Sean Felton
Report Date: 28 Nov 2023

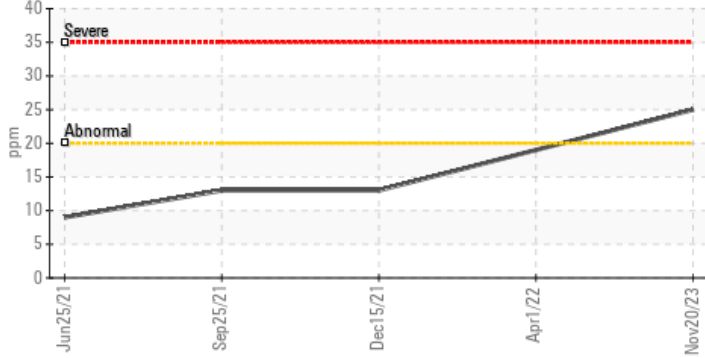


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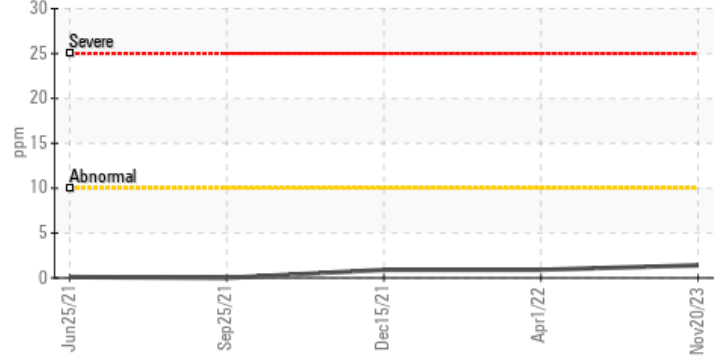


VOLVO GRAPHS

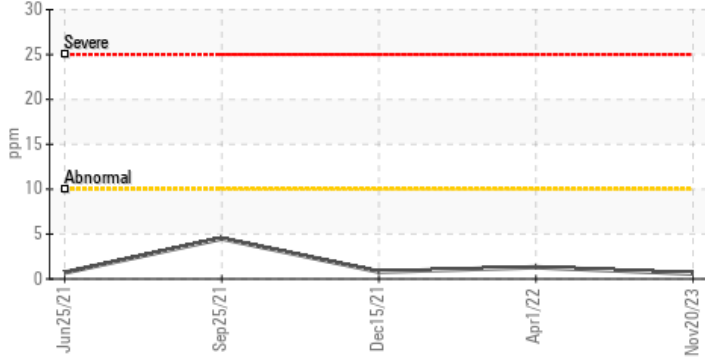
▲ Iron (ppm)



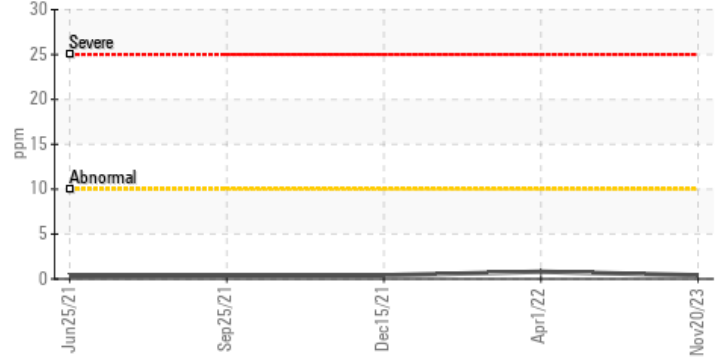
Lead (ppm)



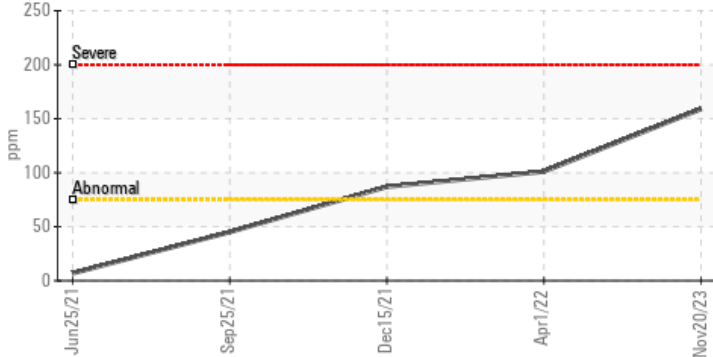
Aluminum (ppm)



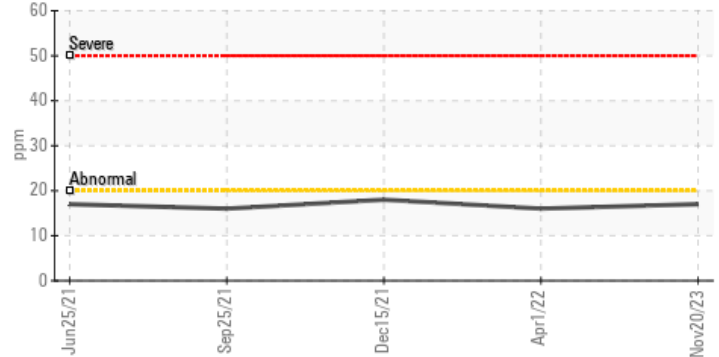
Chromium (ppm)



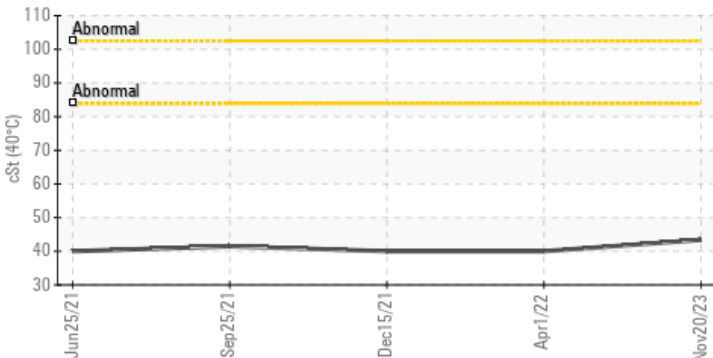
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

