



CONSTRUCTION EQUIPMENT

VOLVO A45G 342095 - WET DISC BRAKE



Sample No: VCP425096
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP425096	VCP366718	VCP374599	VCP349265
Sample Date	26 Oct 2023	18 Aug 2022	31 May 2022	28 Dec 2021
Machine Hours	8727	6994	6468	5946
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	53.0	43.3	43.8	44.4
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CONTAMINATION

Silicon	ppm	14	15	15	19
Sodium	ppm	<1	4	2	0
Potassium	ppm	1	0	1	<1



WEAR METALS

Iron	ppm	32	28	34	38
Copper	ppm	142	323	309	334
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	2	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	<1	0	<1
Nickel	ppm	2	6	2	6
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3185	3136	3324	3521
Magnesium	ppm	32	9	9	8
Zinc	ppm	1348	1350	1433	1379
Phosphorus	ppm	1121	1165	1258	1218
Barium	ppm	5	<1	0	0
Boron	ppm	88	124	99	107

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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: 10729182

Signed: Don Baldrige

Report Date: 09 Nov 2023

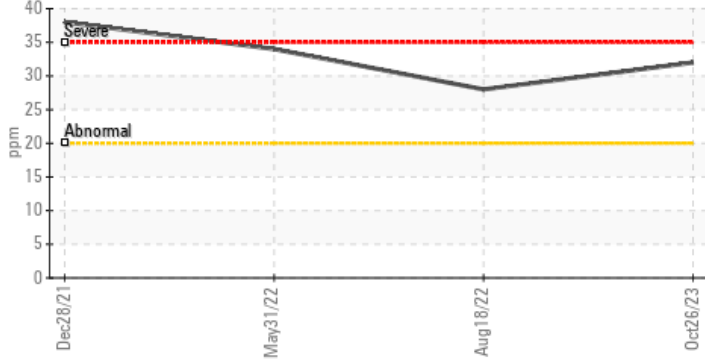


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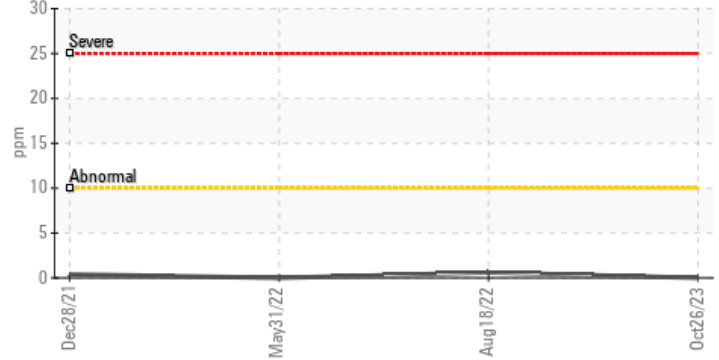


GRAPHS

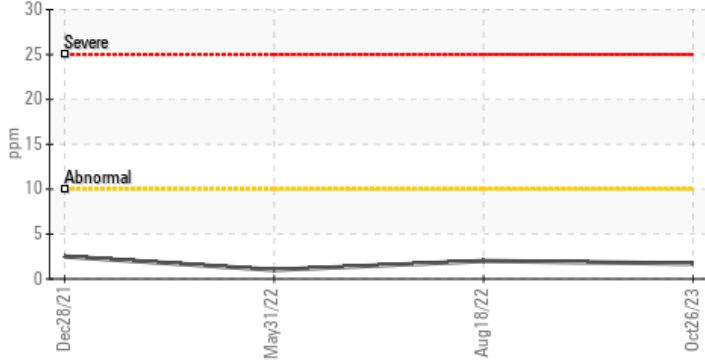
▲ Iron (ppm)



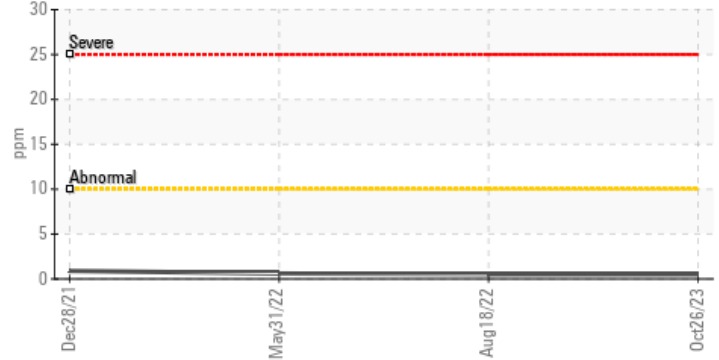
Lead (ppm)



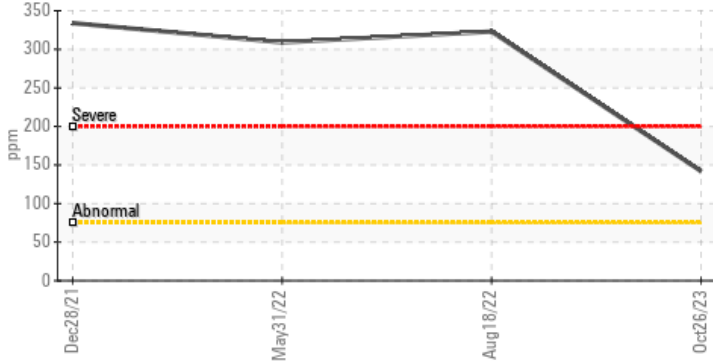
Aluminum (ppm)



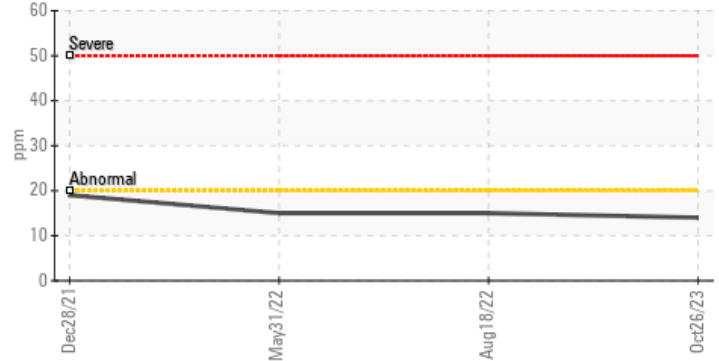
Chromium (ppm)



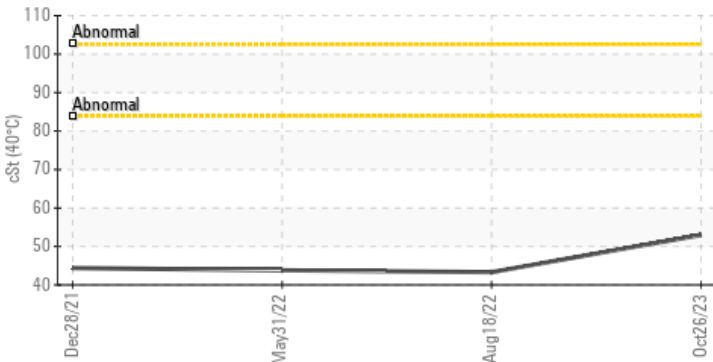
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

