



CONSTRUCTION EQUIPMENT

SWA539849-40 VOLVO A40G 342112 - WET DISC BRAKE



Sample No: VCP455452
Oil Type: VOLVO WB 102
Job No: SWA539849-40



SAMPLE INFORMATION

Sample Number	VCP455452	VCP323485	VCP290058	---
Sample Date	27 Apr 2024	16 Jun 2021	02 Nov 2020	---
Machine Hours	7700	6149	4895	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	MARGINAL	ABNORMAL	ABNORMAL	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256

Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

Visc @ 40°C	cSt	43.4	41.5	42.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	13	21	---
Sodium	ppm	4	5	<1	---
Potassium	ppm	8	<1	<1	---

Diagnosis

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the iron level is noted. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	50	21	25	---
Copper	ppm	<1	185	212	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	2	<1	<1	---
Molybdenum	ppm	<1	<1	1	---
Nickel	ppm	0	2	3	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	3	<1	1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	3509	3827	3447	---
Magnesium	ppm	98	17	17	---
Zinc	ppm	1178	1474	1388	---
Phosphorus	ppm	997	1288	1168	---
Barium	ppm	0	0	0	---
Boron	ppm	5	124	129	---

Depot: VOLVO0092
Unique No: 11006755
Signed: Doug Bogart
Report Date: 02 May 2024

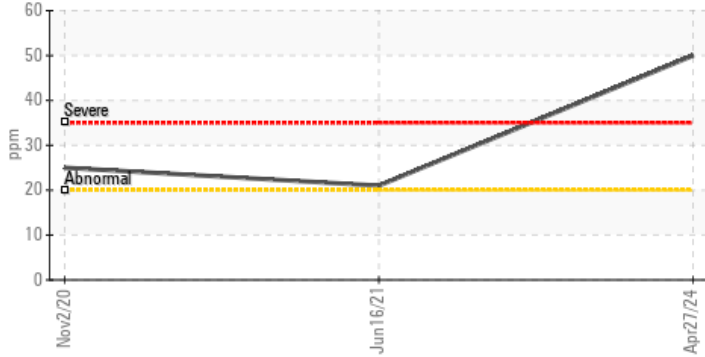


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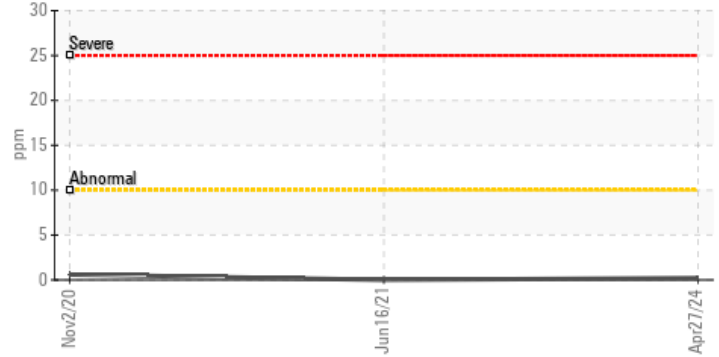


VOLVO GRAPHS

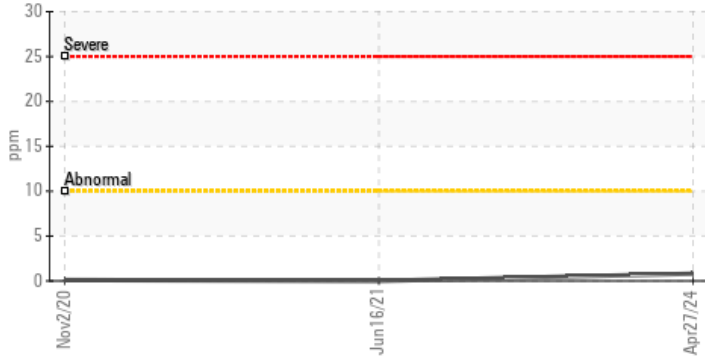
▲ Iron (ppm)



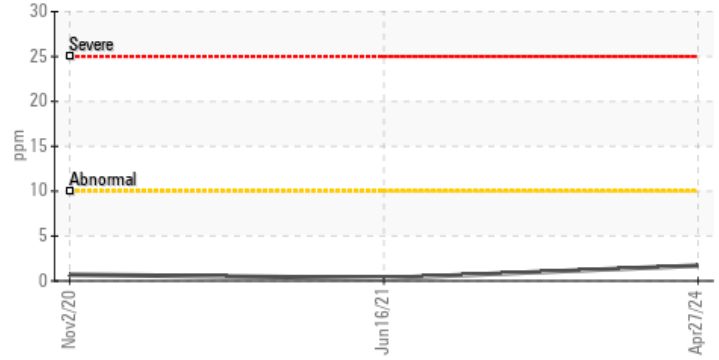
Lead (ppm)



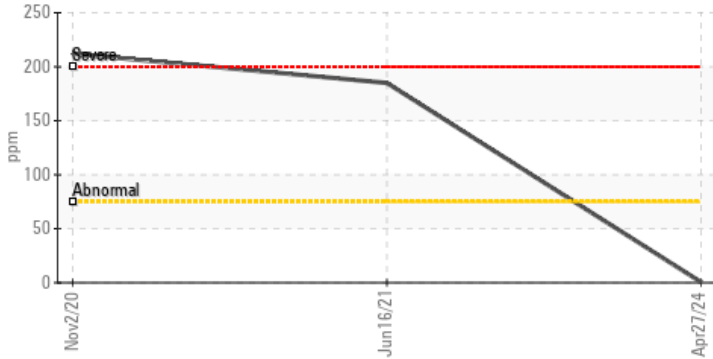
Aluminum (ppm)



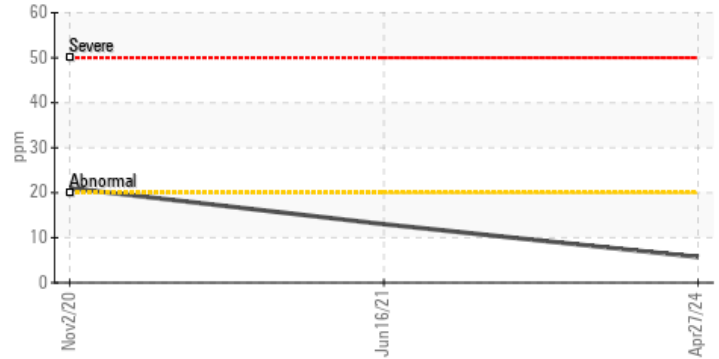
Chromium (ppm)



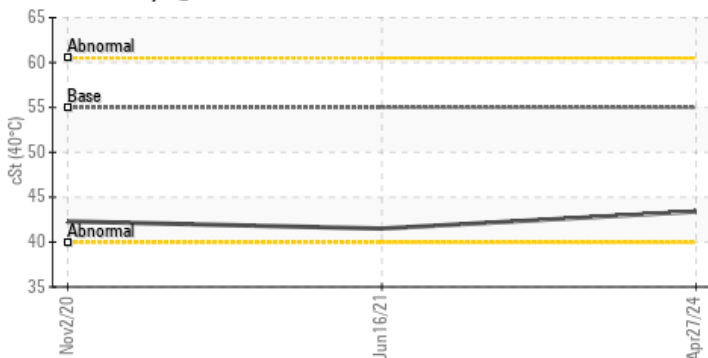
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

