



CONSTRUCTION EQUIPMENT

702884 APTIM VOLVO A30G 740273 - BRAKE COOLING SYSTEM



Sample No: VCP437094
Oil Type: VOLVO WB 102
Job No: 702884 APTIM



SAMPLE INFORMATION

Sample Number	VCP437094	VCP414199	VCP364402	---
Sample Date	25 Apr 2024	22 Aug 2023	01 Sep 2022	---
Machine Hours	11987	11091	10152	---
Oil Hours	3000	4000	2000	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	41.9	41.8	41.7	---
-------------	-----	-------------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	13	11	11	---
Sodium	ppm	5	4	3	---
Potassium	ppm	2	0	2	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	12	12	7	---
Copper	ppm	257	238	238	---
Lead	ppm	3	2	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	3	2	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	2	<1	1	---
Nickel	ppm	1	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	2	1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	3447	3337	3909	---
Magnesium	ppm	28	27	28	---
Zinc	ppm	1539	1470	1643	---
Phosphorus	ppm	1322	1223	1364	---
Barium	ppm	0	0	2	---
Boron	ppm	111	127	129	---

Depot: VOLVO0093
Unique No: 11057916
Signed: Don Baldrige
Report Date: 01 Jun 2024

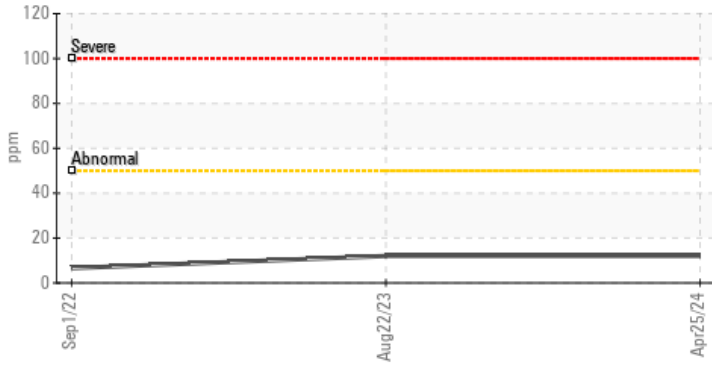


CONSTRUCTION EQUIPMENT

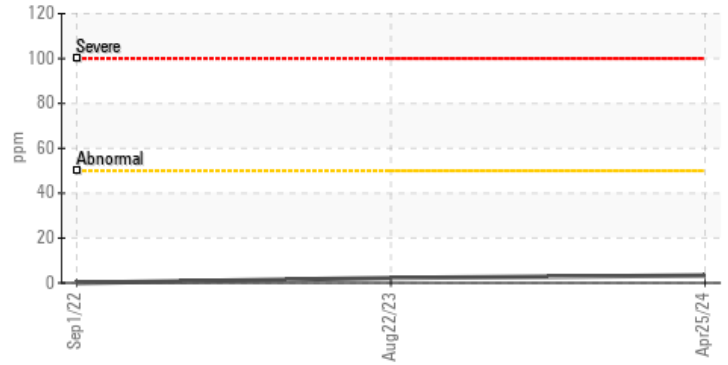


GRAPHS

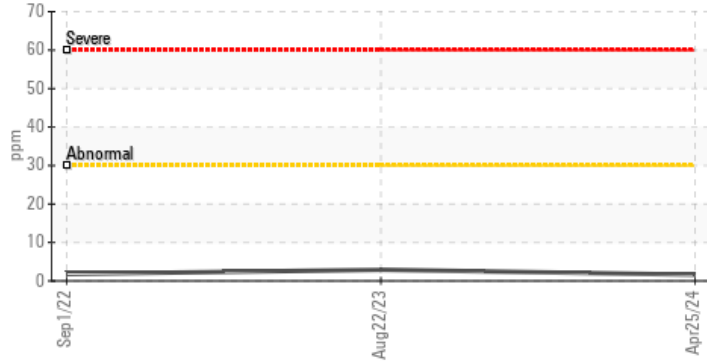
Iron (ppm)



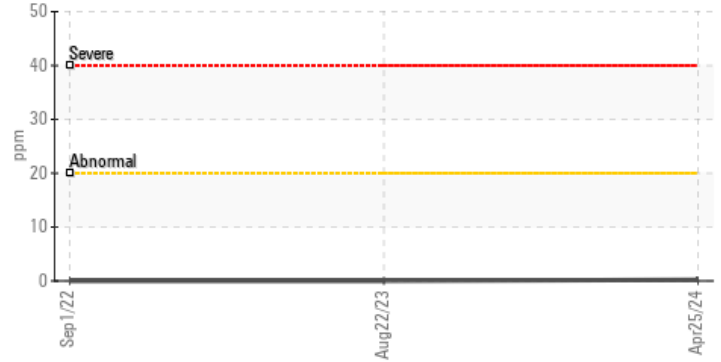
Lead (ppm)



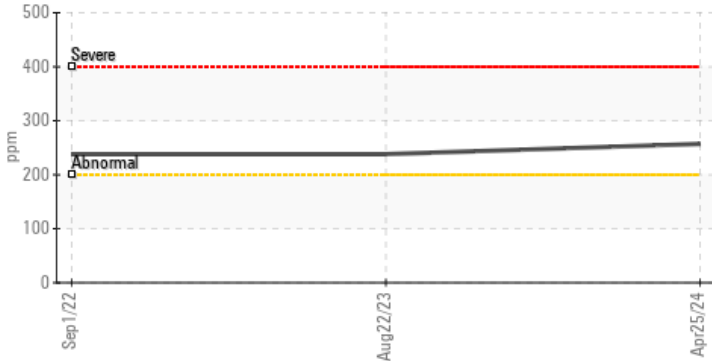
Aluminum (ppm)



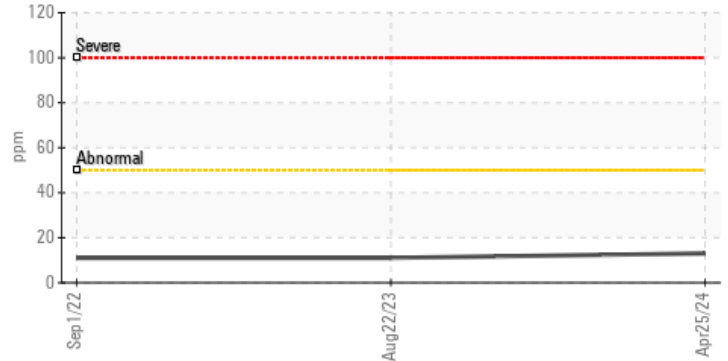
Chromium (ppm)



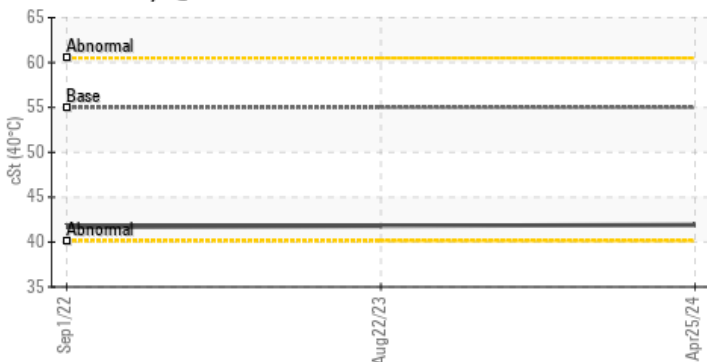
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

