



CONSTRUCTION EQUIPMENT

SPM687839 VOLVO A60H 340125 - BRAKE COOLING SYSTEM



Sample No: VCP436409
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SPM687839



SAMPLE INFORMATION

Sample Number	VCP436409	VCP378775	---	---
Sample Date	12 Apr 2024	27 Aug 2022	---	---
Machine Hours	8696	6235	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	136	40.2	---	---
-------------	-----	------------	------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	2	18	---	---
Sodium	ppm	3	7	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	324	50	---	---
Copper	ppm	4	342	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	4	<1	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	5	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	200	3414	---	---
Magnesium	ppm	14	9	---	---
Zinc	ppm	88	1497	---	---
Phosphorus	ppm	1021	1221	---	---
Barium	ppm	0	0	---	---
Boron	ppm	194	122	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO8885
Unique No: 10990248
Signed: Don Baldrige
Report Date: 23 Apr 2024

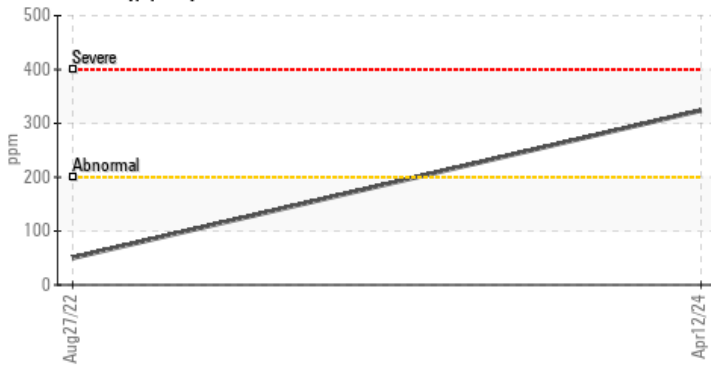


CONSTRUCTION EQUIPMENT

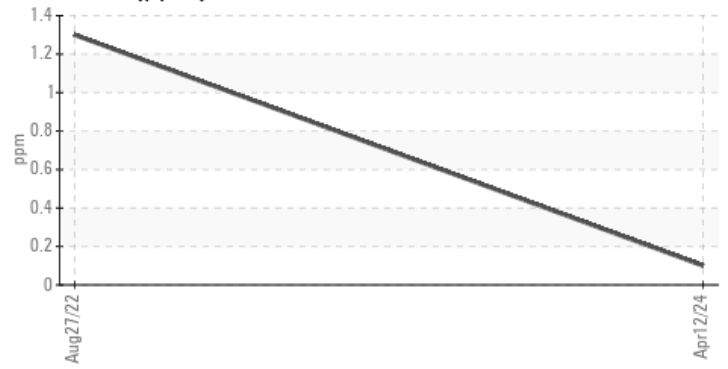


GRAPHS

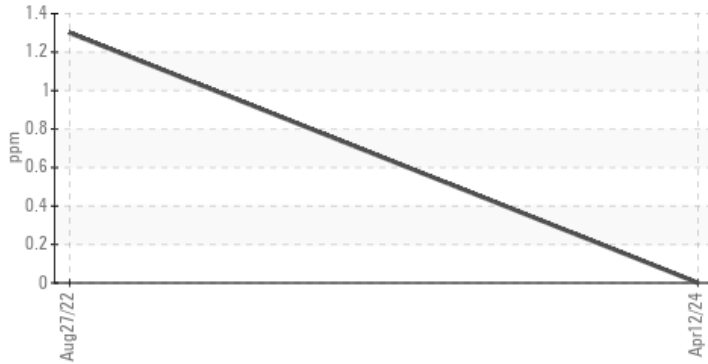
▲ Iron (ppm)



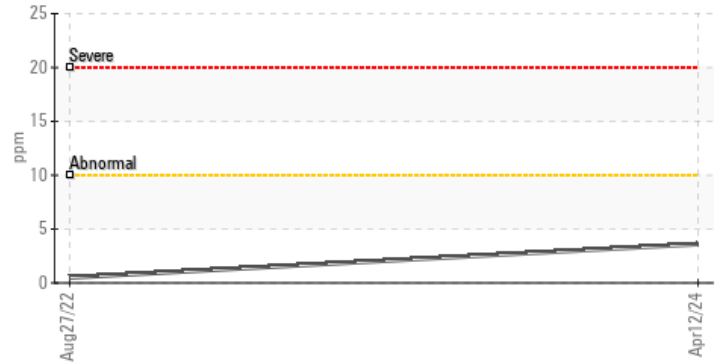
Lead (ppm)



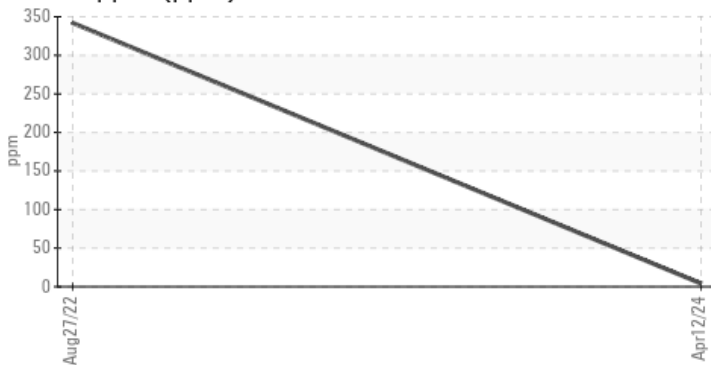
Aluminum (ppm)



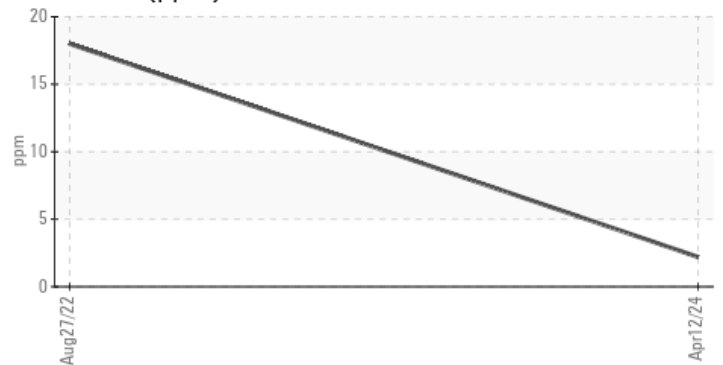
Chromium (ppm)



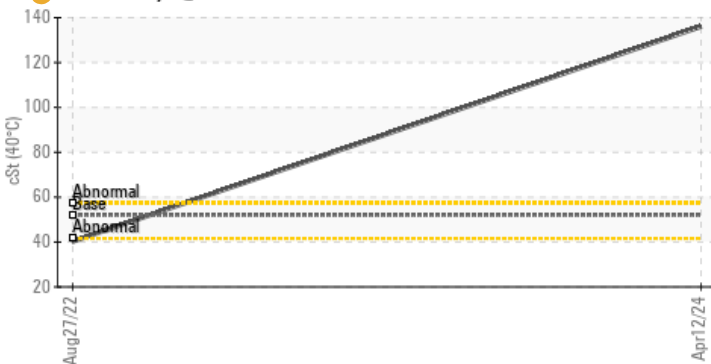
Copper (ppm)



Silicon (ppm)



● Viscosity @ 40°C



● Additives

