



CONSTRUCTION EQUIPMENT

SW0218103 VOLVO A40G 341404 - BRAKE COOLING SYSTEM



Sample No: VCP233983

Oil Type: NOT GIVEN

Job No: SW0218103



SAMPLE INFORMATION

Sample Number	VCP233983	VCP188112	---	---
Sample Date	28 Jan 2019	09 Aug 2018	---	---
Machine Hours	4180	4020	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



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 56195 PONTIAC TRAIL
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 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	40.34	40.64	---	---
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CONTAMINATION

Silicon	ppm	13	12	---	---
Sodium	ppm	7	6	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	18	14	---	---
Copper	ppm	231	319	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3845	3484	---	---
Magnesium	ppm	8	7	---	---
Zinc	ppm	1607	1438	---	---
Phosphorus	ppm	1218	1057	---	---
Barium	ppm	0	0	---	---
Boron	ppm	110	100	---	---

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.

Depot: VOLVO2990
Unique No: 8477871
Signed: Jonathan Hester
Report Date: 01 Feb 2019

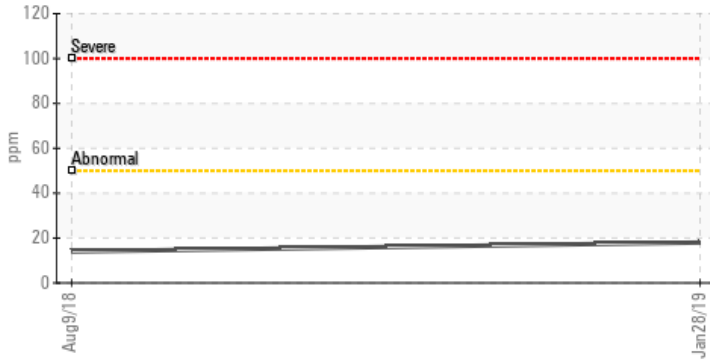


CONSTRUCTION EQUIPMENT

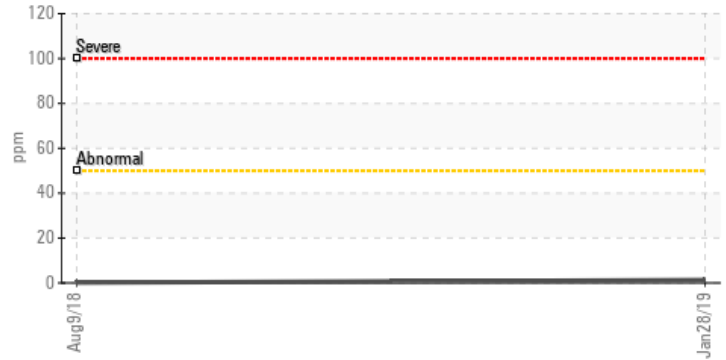


GRAPHS

Iron (ppm)



Lead (ppm)



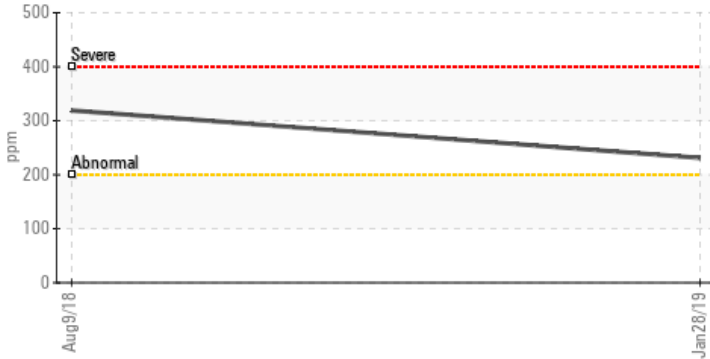
Aluminum (ppm)



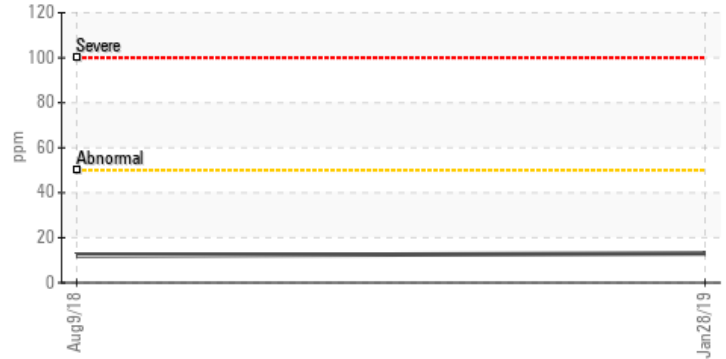
Chromium (ppm)



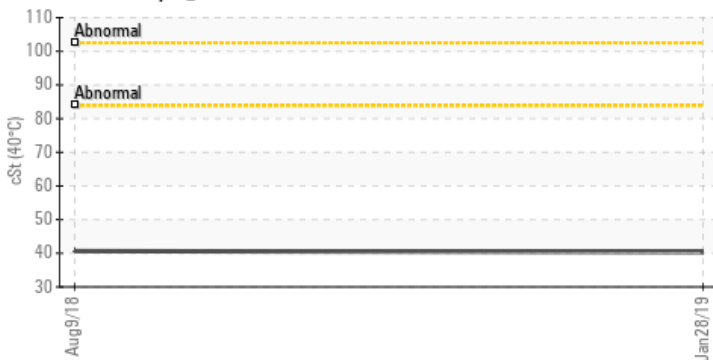
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

