



CONSTRUCTION EQUIPMENT

VOLVO A40F 11213 - BRAKE COOLING SYSTEM



Sample No: VCE159397
Oil Type: {unknown}
Job No:



SAMPLE INFORMATION

Sample Number	VCE159397	VCE114703	---	---
Sample Date	27 Jun 2012	09 May 2012	---	---
Machine Hours	1568	1047	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
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 US 48165
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 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	41.5	41.44	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	21	19	---	---
Sodium	ppm	4	5	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	20	22	---	---
Copper	ppm	121	67	---	---
Lead	ppm	4	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	1	1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	3714	3828	---	---
Magnesium	ppm	13	13	---	---
Zinc	ppm	1653	1671	---	---
Phosphorus	ppm	1414	1403	---	---
Barium	ppm	0	0	---	---
Boron	ppm	108	102	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO2990
Unique No: 5960552
Signed: Don Baldrige
Report Date: 05 Jul 2012

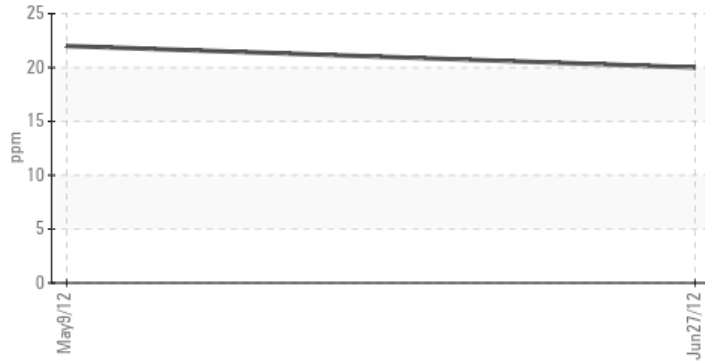


CONSTRUCTION EQUIPMENT

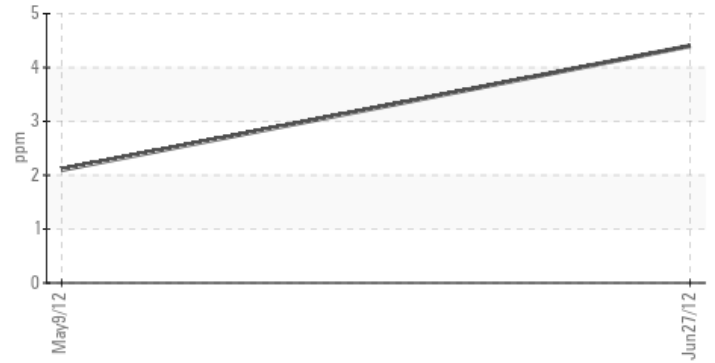


GRAPHS

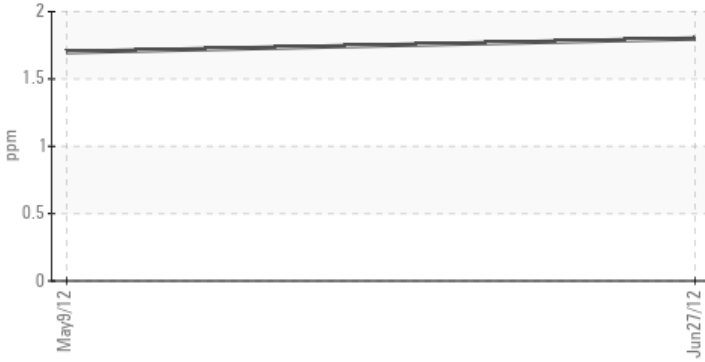
Iron (ppm)



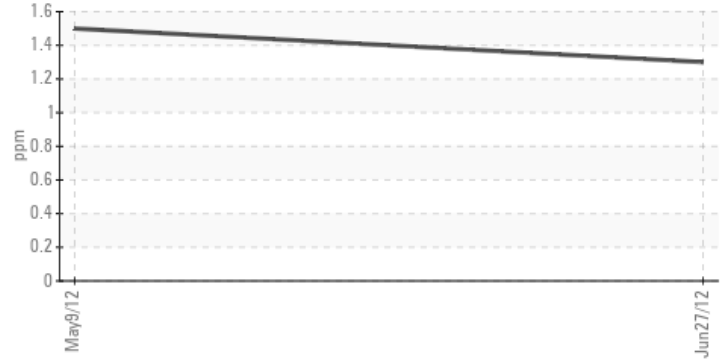
Lead (ppm)



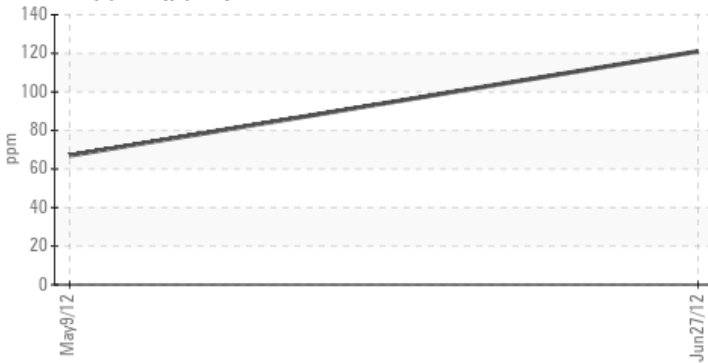
Aluminum (ppm)



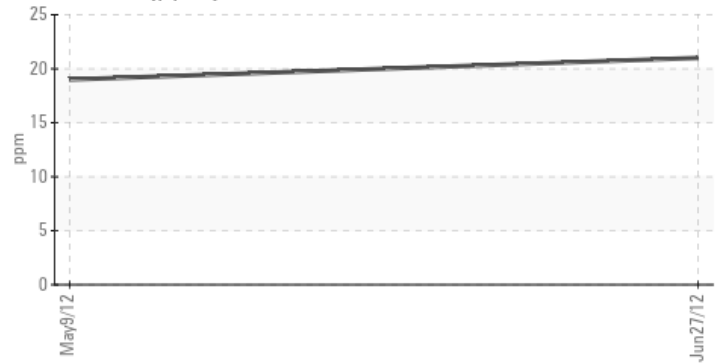
Chromium (ppm)



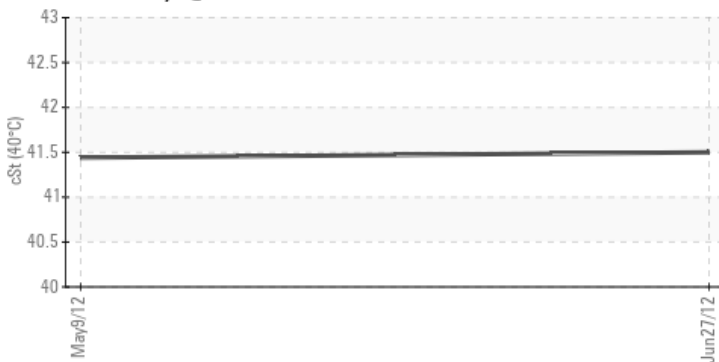
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

