



CONSTRUCTION EQUIPMENT

VOLVO A40F 11213 - BOGIE/CENTER AXLE



Sample No: VCE159417

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCE159417	VCE114710	---	---
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	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 40°C	cSt	113.2	64.55	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	8	30	---	---
Sodium	ppm	3	1	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	10	162	---	---
Copper	ppm	<1	3	---	---
Lead	ppm	4	3	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	3	---	---
Molybdenum	ppm	1	13	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	14	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	252	137	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	126	22	---	---
Phosphorus	ppm	1379	1393	---	---
Barium	ppm	0	0	---	---
Boron	ppm	218	170	---	---

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 oil viscosity is higher than normal.

Depot: VOLVO2990
Unique No: 5960550
Signed: Elizabeth Valachovic
Report Date: 05 Jul 2012



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GRAPHS

