



CONSTRUCTION EQUIPMENT

VOLVO A40F 11213 - DROP BOX



Sample No: VCP149571
Oil Type: GEAR OIL SAE 75W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP149571	VCE159416	VCE114714	---
Sample Date	08 Dec 2015	27 Jun 2012	09 May 2012	---
Machine Hours	7409	1568	1047	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	N/A	N/A	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL ELZERMAN
 paul.elzerman@altaequipment.com
 T: (248)356-5200
 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	105.6	65.55	69.13	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	20	31	30	---
Sodium	ppm	<1	2	2	---
Potassium	ppm	1	3	0	---

Diagnosis

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	50	59	53	---
Copper	ppm	<1	1	<1	---
Lead	ppm	<1	5	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	18	12	8	---
Chromium	ppm	<1	1	1	---
Molybdenum	ppm	<1	20	20	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	64	161	145	---
Magnesium	ppm	2	34	34	---
Zinc	ppm	30	33	28	---
Phosphorus	ppm	1290	1427	1431	---
Barium	ppm	0	0	0	---
Boron	ppm	250	177	167	---

Depot: VOLVO2990
Unique No: 7230507
Signed: Doug Bogart
Report Date: 14 Dec 2015



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GRAPHS

