



CONSTRUCTION EQUIPMENT

VOLVO A25E 73007 - BOGIE/CENTER LEFT FINAL DRIVE



Sample No: VCE160295
Oil Type: SAE 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VCE160295	VCE169973	VCE110084	---
Sample Date	11 Oct 2013	07 Jun 2012	25 Feb 2011	---
Machine Hours	6738	4613	2191	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	SEVERE	ABNORMAL	---

STRONGCO EQUIPMENT INC (STE- FOY)
 175, rue de Rotterdam
 St-Augustin-de-Desmaures, QC
 CA G3A 2K2
 Contact: Michel Lepage
 mlepage@strongco.com
 T: (418)870-1700
 F: (418)870-1701



OIL CONDITION

Visc @ 40°C	cSt	332.5	333.7	96.24	---
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CONTAMINATION

Silicon	ppm	340	537	11	---
Sodium	ppm	5	8	2	---
Potassium	ppm	8	18	1	---



WEAR METALS

Iron	ppm	992	658	400	---
Copper	ppm	216	146	44	---
Lead	ppm	<1	0	<1	---
Tin	ppm	12	0	3	---
Aluminum	ppm	39	79	1	---
Chromium	ppm	11	7	7	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	10	8	6	---
Titanium	ppm	4	5	2	---
Silver	ppm	0	0	0	---
Manganese	ppm	9	7	11	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	9	26	28	---
Magnesium	ppm	11	76	799	---
Zinc	ppm	18	41	20	---
Phosphorus	ppm	797	404	1439	---
Barium	ppm	0	0	0	---
Boron	ppm	175	66	405	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0228
Unique No: 6432115
Signed: Elizabeth Valachovic
Report Date: 05 Nov 2013



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GRAPHS

