



CONSTRUCTION EQUIPMENT

VOLVO ECR235CL 110174 - RIGHT TRAVEL



Sample No: VC462454
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VC462454	VC388754	VC464433	---
Sample Date	30 Oct 2013	05 Dec 2011	08 Mar 2010	---
Machine Hours	3042	2012	1058	---
Oil Hours	996	1000	550	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	SEVERE	NORMAL	NORMAL	---

DAYTON CONSTRUCTION
 146 BUNKER HILL ROAD
 WATERTOWN, CT
 US 06795
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	167.0	170.7	171.2	---
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T: (860)274-2998
 F:

CONTAMINATION

Silicon	ppm	358	46	26	---
Sodium	ppm	22	5	3	---
Potassium	ppm	27	6	3	---

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. The chromium level is abnormal. 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.

WEAR METALS

Iron	ppm	705	380	210	---
Copper	ppm	3	<1	<1	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	85	7	2	---
Chromium	ppm	21	11	5	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	2	<1	<1	---
Titanium	ppm	5	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	10	7	5	---
Vanadium	ppm	0	<1	<1	---

ADDITIVES

Calcium	ppm	458	3	3	---
Magnesium	ppm	12	0	<1	---
Zinc	ppm	180	24	19	---
Phosphorus	ppm	446	1082	1168	---
Barium	ppm	<1	0	<1	---
Boron	ppm	30	<1	<1	---

Depot: DAYWAT
Unique No: 6430663
Signed: Don Baldrige
Report Date: 01 Nov 2013



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GRAPHS

