



CONSTRUCTION EQUIPMENT

VOLVO ECR235CL 110174 - DIESEL ENGINE



Sample No: VC463517
Oil Type: CHEVRON 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VC463517	VC548123	VCE215321	VC462477
Sample Date	23 Oct 2014	02 Jun 2014	01 Oct 2013	04 Jun 2013
Machine Hours	3546	3293	3016	2768
Oil Hours	253	251	248	254
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 100°C	cSt	13.61	14.4	14.35	13.56
Oxidation (PA)	%	36	64	40	48

T: (860)274-2998
 F:



CONTAMINATION

Soot %	%	0	0.1	0.1	0.1
Nitration (PA)	%	33	58	33	42
Sulfation (PA)	%	42	58	42	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	7
Sodium	ppm	7	2	2	5
Potassium	ppm	6	<1	4	3

Diagnosis

Resample at the next service interval to monitor. 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	7	8	8	6
Copper	ppm	<1	<1	2	2
Lead	ppm	0	0	3	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	4	5	3
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	81	80	50	68
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	1648	1550	1958	1728
Magnesium	ppm	376	363	214	291
Zinc	ppm	1160	1172	1291	1144
Phosphorus	ppm	984	1102	1098	1078
Barium	ppm	0	0	0	0
Boron	ppm	408	443	278	392

Depot: DAYWAT
Unique No: 6795931
Signed: Wes Davis
Report Date: 28 Oct 2014



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

