



CONSTRUCTION EQUIPMENT

VOLVO ECR235CL 110174 - HYDRAULIC SYSTEM



Sample No: VC463919
Oil Type: CHEVRON 1000 THF
Job No:



SAMPLE INFORMATION

Sample Number	VC463919	VCE462387	VC388755	VC464427
Sample Date	23 Oct 2014	31 Oct 2013	17 Jan 2012	08 Mar 2010
Machine Hours	3624	3042	2056	1058
Oil Hours	1574	1000	2056	1058
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	44.04	44.5	42.56	43.13
Acid Number (AN)	mg KOH/g	0.966	1.00	0.704	0.668

T: (860)274-2998
 F:



CONTAMINATION

Particles >4µm		78	167	186	---
Particles >6µm		42	91	101	---
Particles >14µm		7	15	17	---
ISO 4406:1999 (c)		13/13/10	15/14/11	15/14/11	---
Silicon	ppm	4	5	4	0
Sodium	ppm	5	4	2	<1
Potassium	ppm	0	0	4	1

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 amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	10	8	11	5
Copper	ppm	28	21	22	20
Lead	ppm	6	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	1	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	2	<1	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1886	1762	457	103
Magnesium	ppm	5	5	<1	0
Zinc	ppm	976	882	563	612
Phosphorus	ppm	766	687	476	522
Barium	ppm	0	0	0	<1
Boron	ppm	2	2	<1	0

Depot: DAYWAT
Unique No: 6795975
Signed: Jonathan Hester
Report Date: 29 Oct 2014

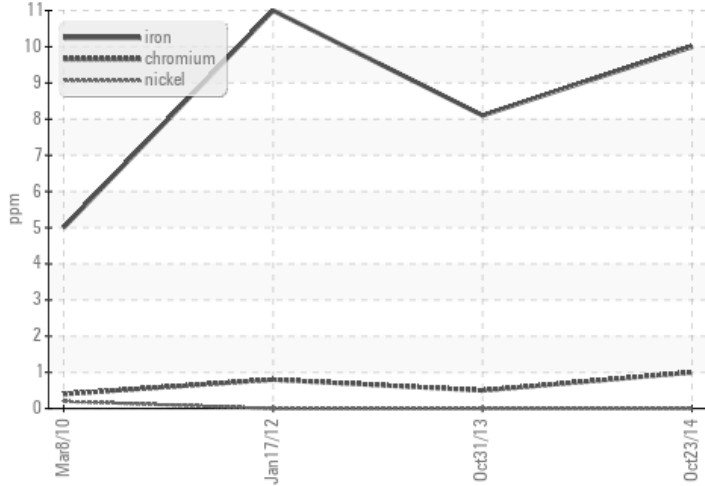


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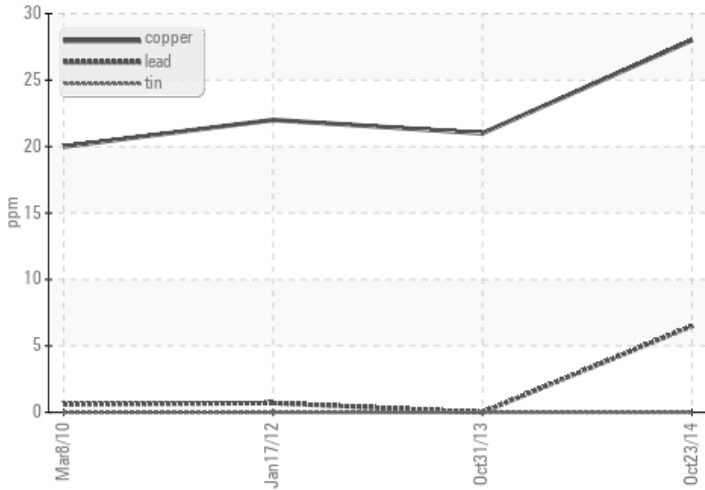


VOLVO GRAPHS

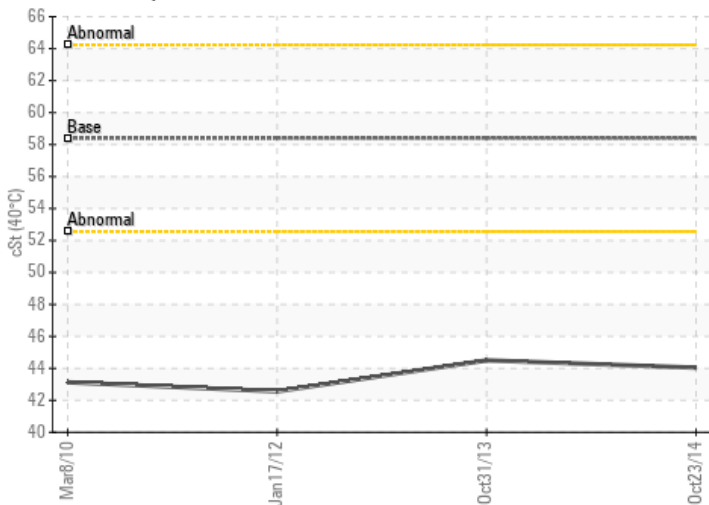
Ferrous Alloys



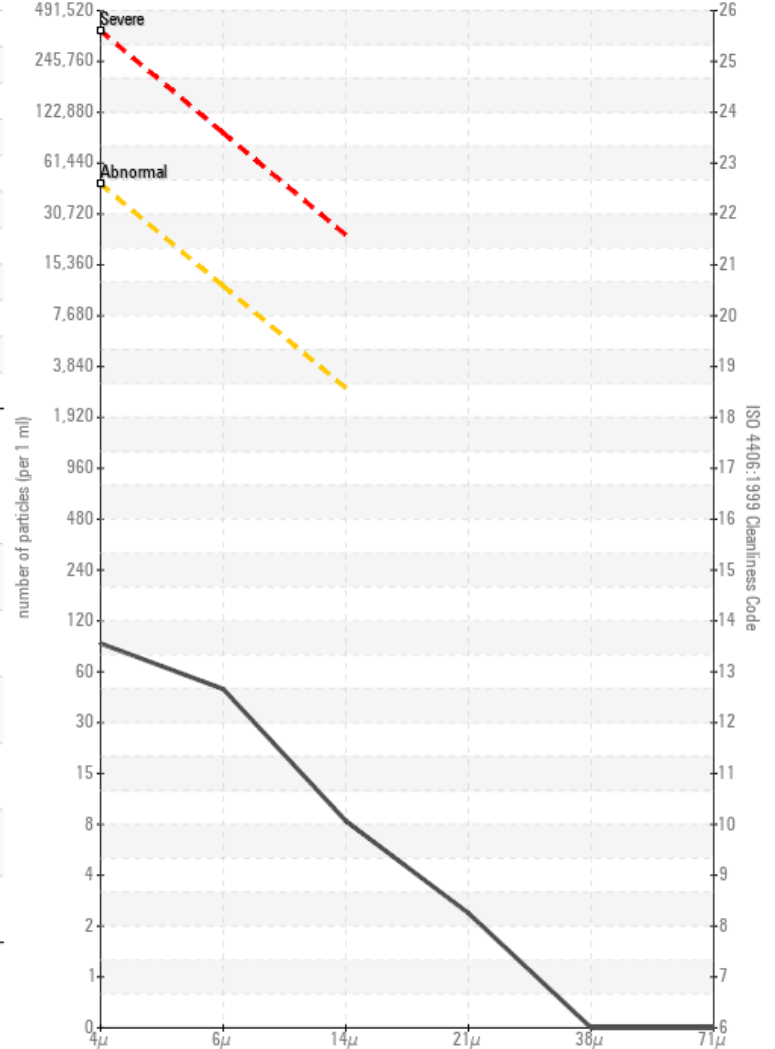
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

