



CONSTRUCTION EQUIPMENT

VOLVO EC240BLC 11321 - HYDRAULIC SYSTEM



Sample No: VCE166855

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCE166855	VC325143	VC216480	---
Sample Date	14 Jun 2024	03 Jan 2008	01 Aug 2005	---
Machine Hours	12277	3277	1034	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---



FLUVIAL SOLUTIONS

512 OAKWOOD AVE
RALEIGH, NC
US 27601

Contact: PETER JELENEVSKY
peter@fluvialsolutions.com
T: (919)605-6134
F: (919)821-4626



OIL CONDITION

Visc @ 40°C	cSt	43.8	41.42	44.81	---
Acid Number (AN)	mg KOH/g	0.19	0.645	0.735	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		49004	4280	21659	---
Particles >6µm		5461	2331	13722	---
Particles >14µm		99	397	1387	---
ISO 4406:1999 (c)		23/20/14	19/18/16	22/21/18	---
Silicon	ppm	11	3	6	---
Sodium	ppm	0	<1	<1	---
Potassium	ppm	2	0	0	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	39	9	7	---
Copper	ppm	8	5	5	---
Lead	ppm	1	0	1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	3	2	<1	---
Chromium	ppm	5	<1	<1	---
Molybdenum	ppm	3	<1	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	203	350	461	---
Magnesium	ppm	3	2	6	---
Zinc	ppm	485	558	496	---
Phosphorus	ppm	399	516	430	---
Barium	ppm	1	0	2	---
Boron	ppm	4	6	13	---

Depot: FLURAL
Unique No: 11090121
Signed: Don Baldrige
Report Date: 25 Jun 2024

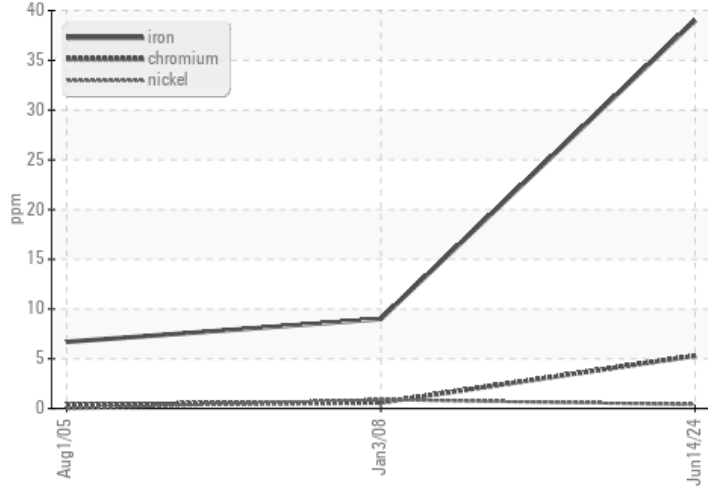


CONSTRUCTION EQUIPMENT

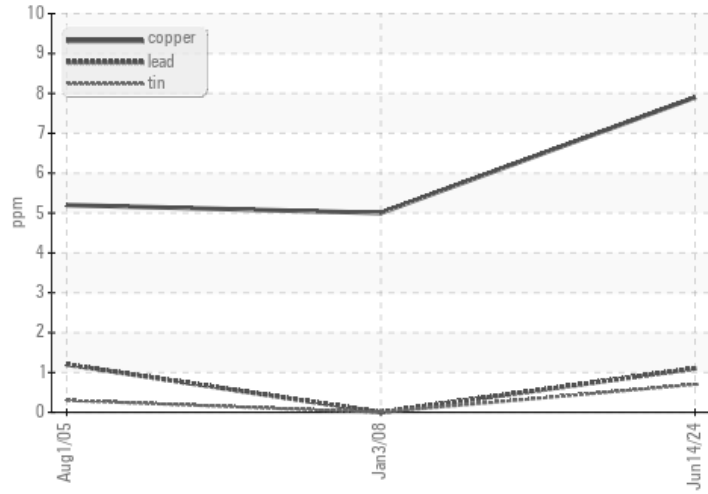


VOLVO GRAPHS

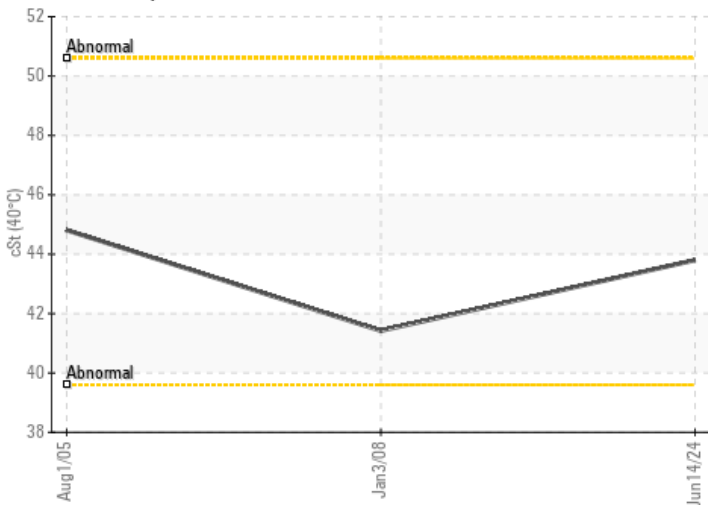
▲ Ferrous Alloys



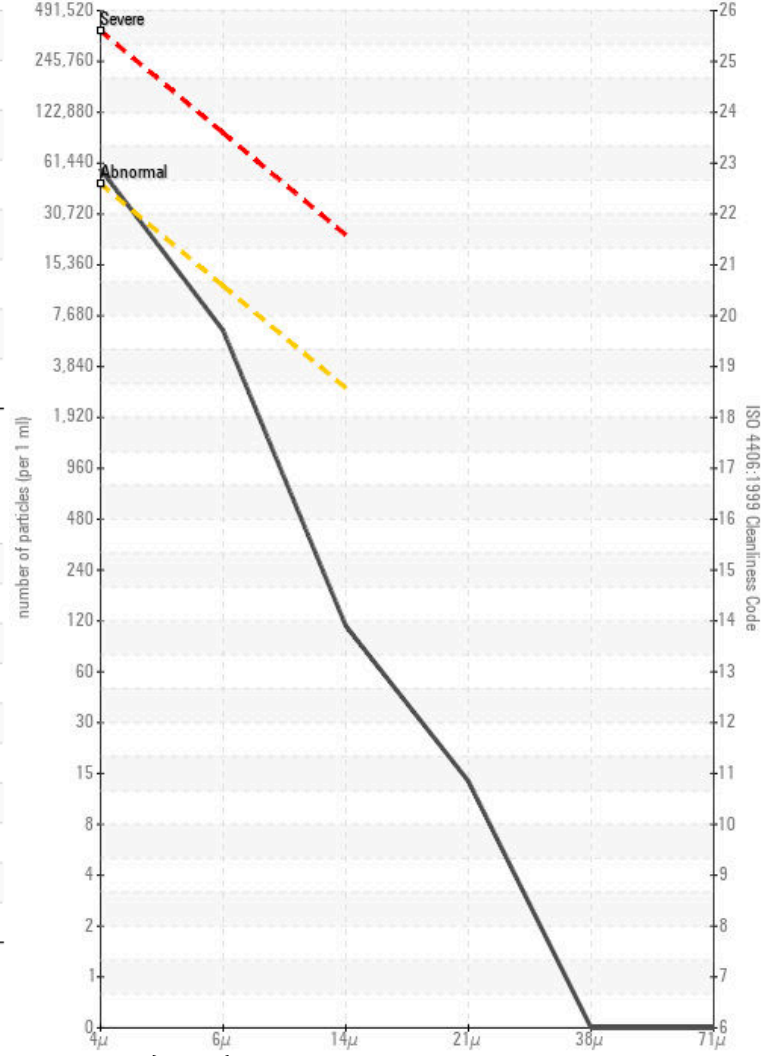
Non-ferrous Metals



Viscosity @ 40°C



● Particle Count



Acid Number

