



CONSTRUCTION EQUIPMENT

VOLVO EC250EL 314086 - HYDRAULIC SYSTEM



Sample No: VCP436462
Oil Type: VALVOLINE ALLFLEET 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP436462	VCP407075	VCP407679	---
Sample Date	10 Apr 2024	21 Dec 2023	24 May 2023	---
Machine Hours	5092	4629	4006	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ATTENTION	NORMAL	ABNORMAL	---

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.3	44.6	44.6	---
Acid Number (AN)	mg KOH/g	0.68	0.63	0.59	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		75283	8939	---	---
Particles >6µm		18293	1662	---	---
Particles >14µm		919	76	---	---
ISO 4406:1999 (c)		23/21/17	20/18/13	---	---
Silicon	ppm	3	3	4	---
Sodium	ppm	2	0	1	---
Potassium	ppm	0	1	<1	---

Diagnosis
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All 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	2	3	3	---
Copper	ppm	20	33	27	---
Lead	ppm	0	1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	0	2	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	13	<1	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	646	111	108	---
Magnesium	ppm	35	<1	10	---
Zinc	ppm	586	719	698	---
Phosphorus	ppm	552	559	552	---
Barium	ppm	0	8	0	---
Boron	ppm	8	0	0	---

Depot: CITMILCON
Unique No: 10980325
Signed: Don Baldrige
Report Date: 18 Apr 2024

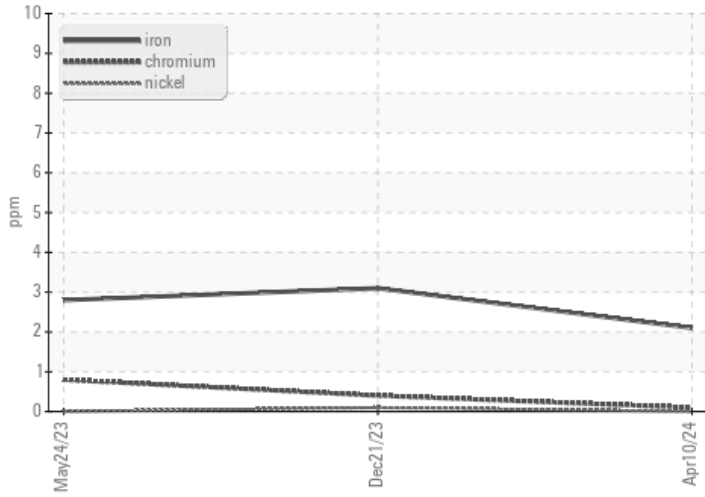


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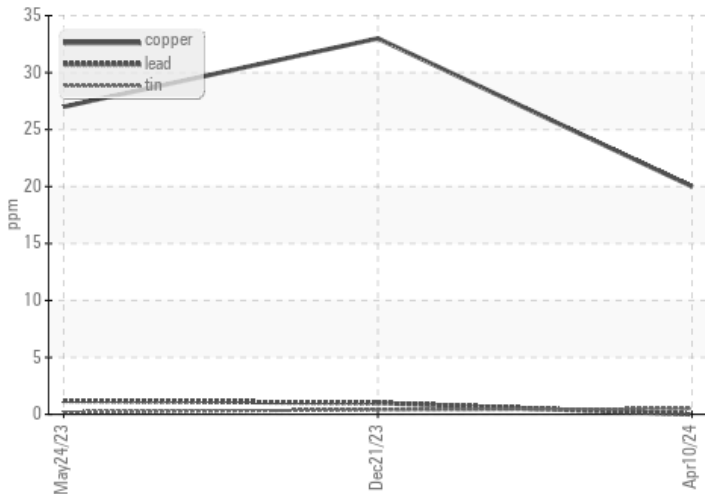


GRAPHS

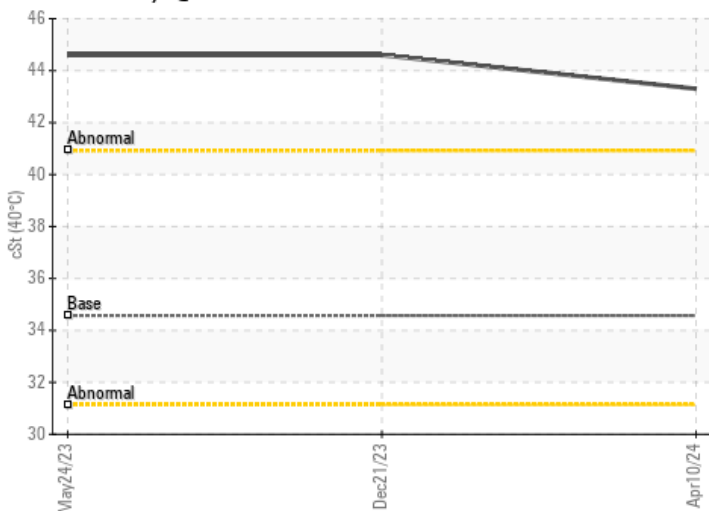
Ferrous Alloys



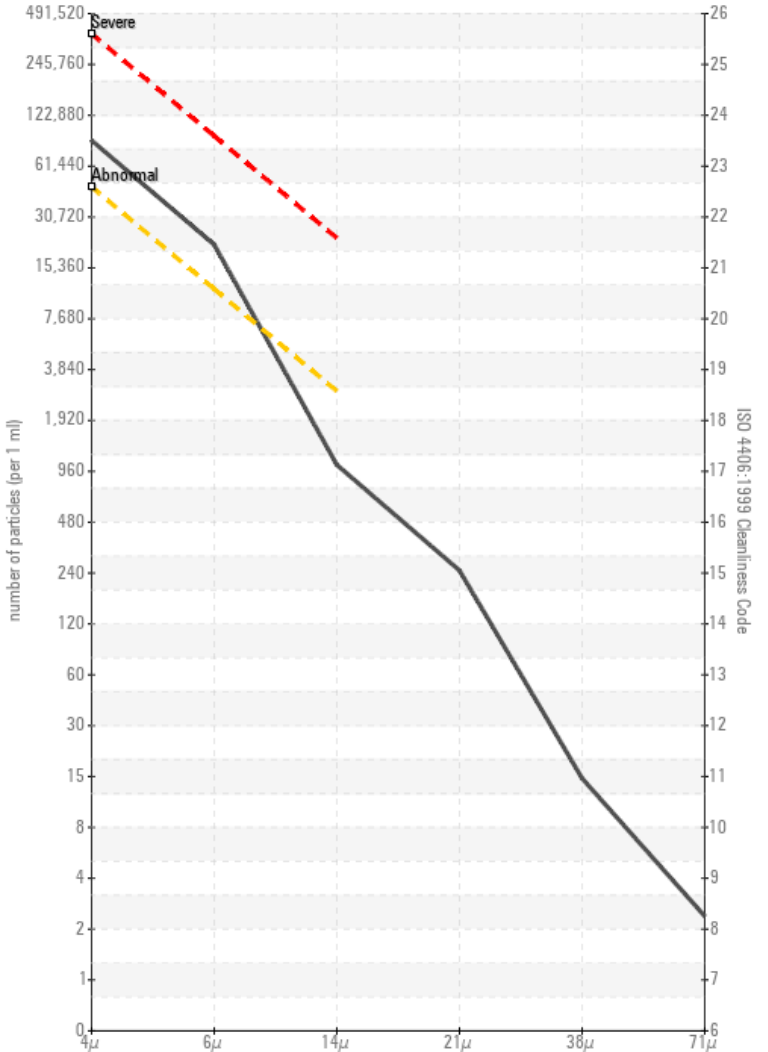
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

