



CONSTRUCTION EQUIPMENT

X54830 VOLVO EC250ELR 310694 - HYDRAULIC SYSTEM



Sample No: VCP323058
Oil Type: NOT GIVEN
Job No: X54830



SAMPLE INFORMATION

Sample Number	VCP323058	VCP323055	VCP323056	---
Sample Date	11 Jun 2021	10 Jun 2021	09 Jun 2021	---
Machine Hours	1189	1189	1189	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.4	43.8	43.6	---
Acid Number (AN)	mg KOH/g	0.433	0.436	0.430	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 192373	---	---	---
Particles >6µm		▲ 42949	---	---	---
Particles >14µm		■ 1644	---	---	---
ISO 4406:1999 (c)		25/23/18	---	---	---
Silicon	ppm	■ 3	■ 4	■ 3	---
Sodium	ppm	■ 0	■ 0	■ 0	---
Potassium	ppm	■ <1	■ <1	■ <1	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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	■ 3	■ 4	■ 3	---
Copper	ppm	■ 18	■ 19	■ 18	---
Lead	ppm	■ <1	■ <1	■ <1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	■ 0	■ 0	■ 0	---
Chromium	ppm	■ <1	■ <1	■ <1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	■ 0	■ 0	■ 0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	64	66	64	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	489	493	490	---
Phosphorus	ppm	382	383	381	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	<1	---

Depot: SCOSAI
Unique No: 9541470
Signed: Jonathan Hester
Report Date: 15 Jun 2021

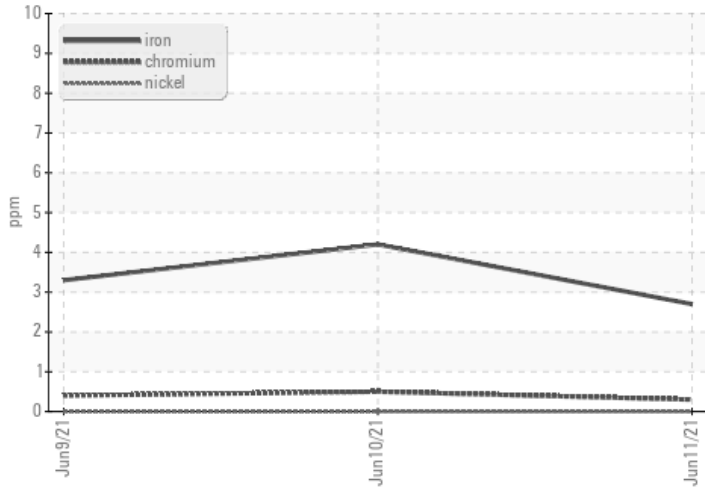


CONSTRUCTION EQUIPMENT

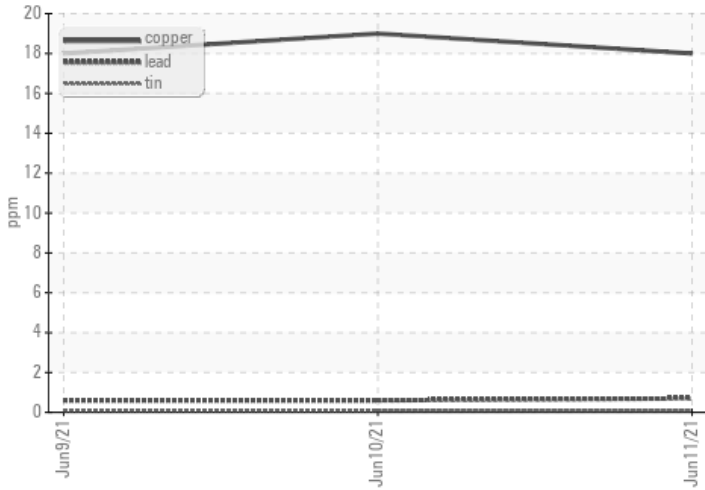


VOLVO GRAPHS

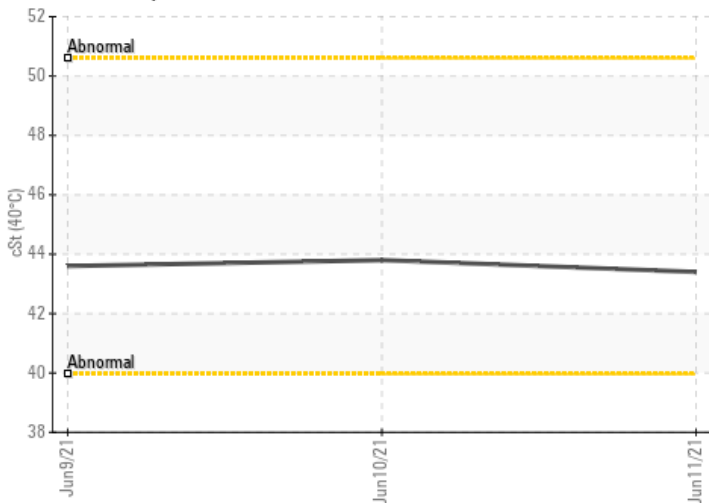
Ferrous Alloys



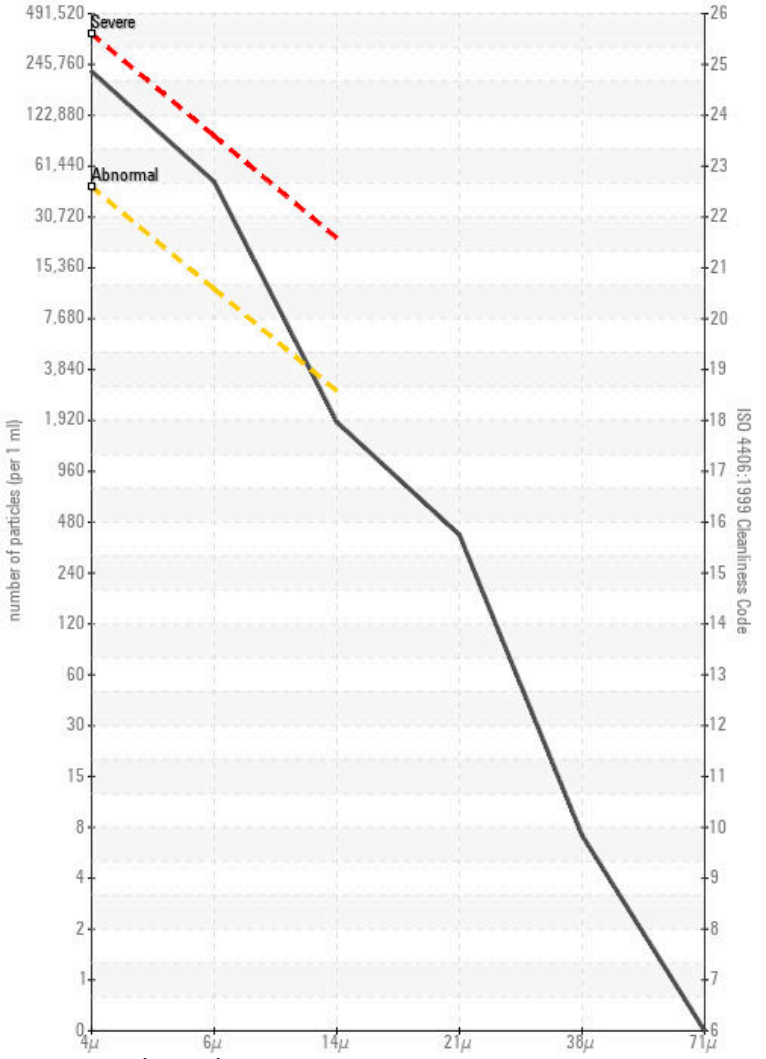
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

