



CONSTRUCTION EQUIPMENT

711702 GREGCO RECYCL VOLVO L959FSDL 640022 - HYDRAULIC SYSTEM



Sample No: VCP437534
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 711702 GREGCO RECYCL



SAMPLE INFORMATION

Sample Number	VCP437534	VCP429251	VCP313598	---
Sample Date	16 Apr 2024	10 Oct 2023	20 Oct 2021	---
Machine Hours	5226	3951	1550	---
Oil Hours	500	2000	1500	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.9	42.4	---
Acid Number (AN)	mg KOH/g	0.25	0.19	0.304	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		30277	6450	48055	---
Particles >6µm		8462	1163	15735	---
Particles >14µm		453	48	1258	---
ISO 4406:1999 (c)		22/20/16	20/17/13	23/21/17	---
Silicon	ppm	3	1	2	---
Sodium	ppm	2	<1	<1	---
Potassium	ppm	<1	<1	0	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	0	0	<1	---
Copper	ppm	2	1	2	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	3	2	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	118	125	92	---
Magnesium	ppm	22	12	0	---
Zinc	ppm	454	496	464	---
Phosphorus	ppm	366	389	367	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	2	2	---

Depot: VOLVO0093
Unique No: 11036260
Signed: Wes Davis
Report Date: 22 May 2024

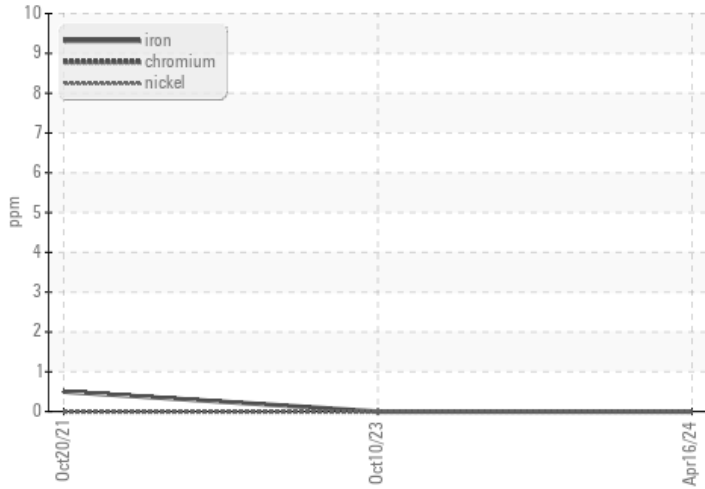


CONSTRUCTION EQUIPMENT

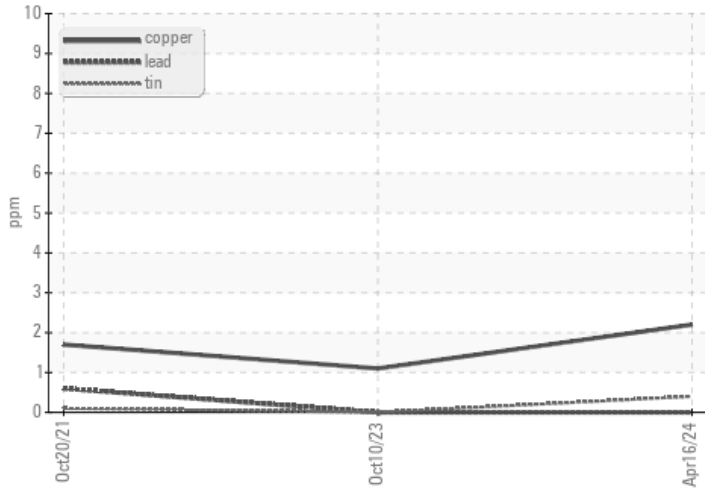


VOLVO GRAPHS

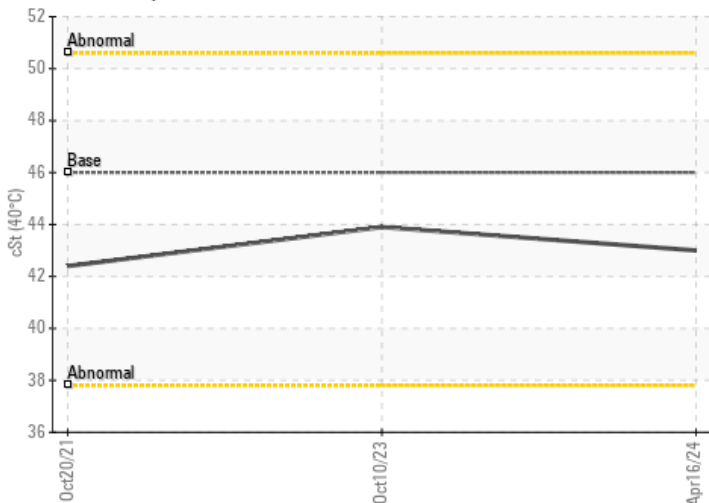
Ferrous Alloys



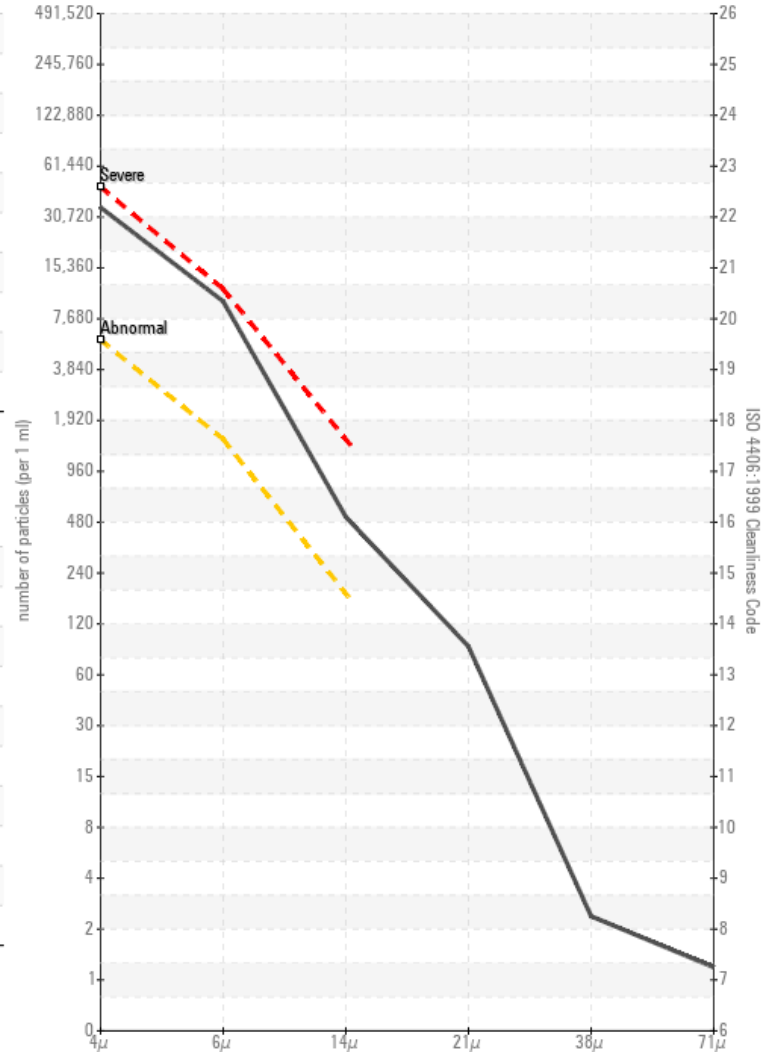
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

