



CONSTRUCTION EQUIPMENT

SPM594830 SEMINOLE C VOLVO EC350E 314333 - HYDRAULIC SYSTEM



Sample No: VCP412222
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM594830 SEMINOLE C



SAMPLE INFORMATION

Sample Number	VCP412222	VCP406883	VCP369888	---
Sample Date	21 Aug 2023	28 Apr 2023	13 Dec 2022	---
Machine Hours	2047	1516	1042	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	41.5	41.8	42.0	---
Acid Number (AN)	mg KOH/g	0.58	0.55	0.54	---



CONTAMINATION

Particles >4µm		3468	3483	3938	---
Particles >6µm		176	413	436	---
Particles >14µm		19	29	7	---
ISO 4406:1999 (c)		19/15/11	19/16/12	19/16/10	---
Silicon	ppm	5	3	4	---
Sodium	ppm	0	0	0	---
Potassium	ppm	1	0	1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	2	<1	2	---
Copper	ppm	26	20	20	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	56	28	69	---
Magnesium	ppm	<1	0	0	---
Zinc	ppm	474	437	524	---
Phosphorus	ppm	363	345	386	---
Barium	ppm	1	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0093
Unique No: 10621331
Signed: Wes Davis
Report Date: 29 Aug 2023

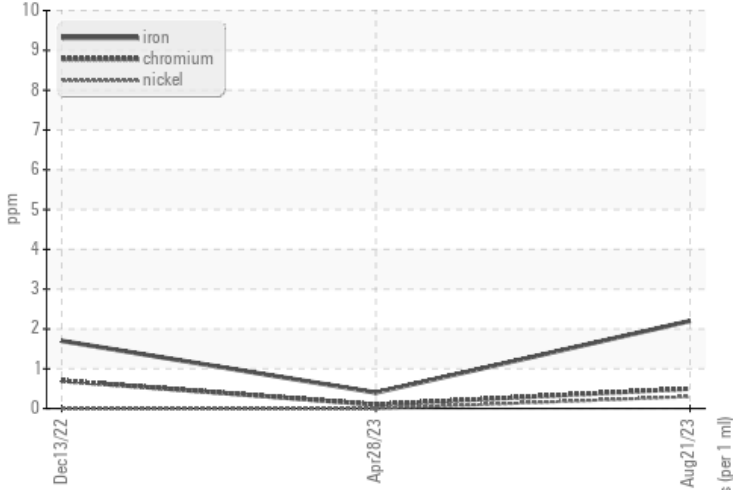


CONSTRUCTION EQUIPMENT

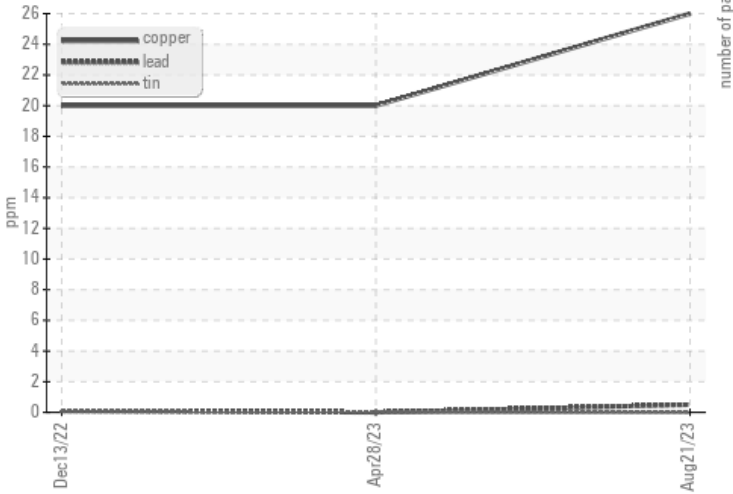


GRAPHS

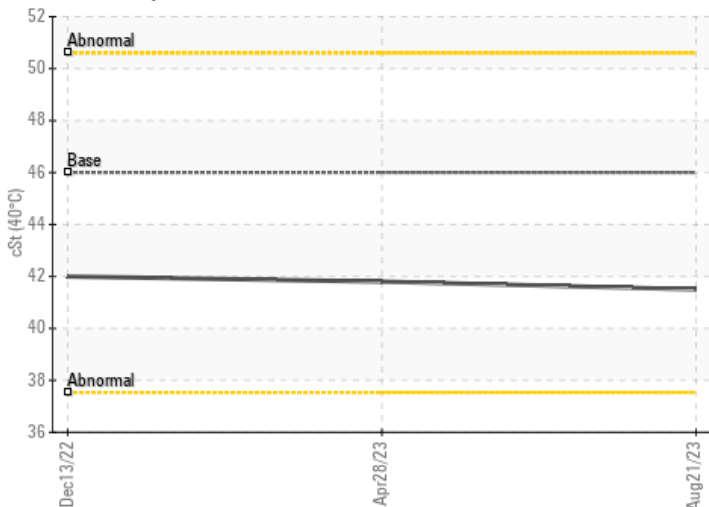
Ferrous Alloys



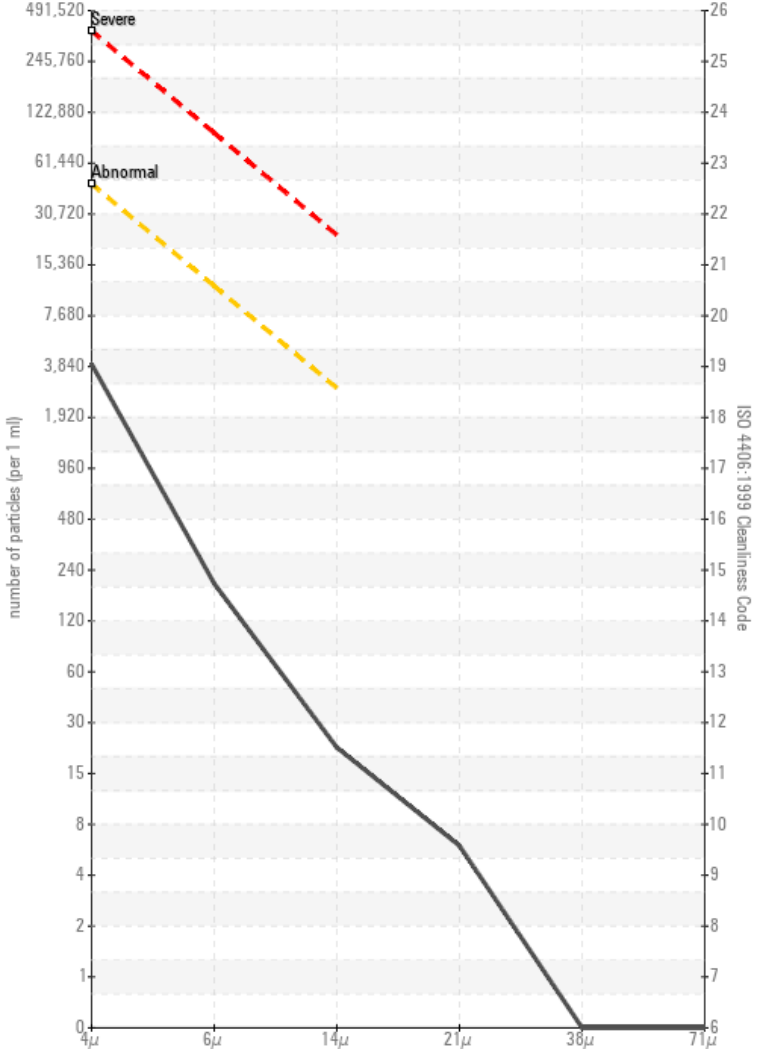
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

