



CONSTRUCTION EQUIPMENT

9832 VOLVO EC380E 314576 - HYDRAULIC SYSTEM



Sample No: VCP413847
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 9832



SAMPLE INFORMATION

Sample Number	VCP413847	VCP365963	---	---
Sample Date	23 Oct 2023	05 Oct 2022	---	---
Machine Hours	2092	560	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

GAINES & CO

112 WESTMINISTER RD
 REISTERSTOWN, MD
 US 21136
 Contact: MICHAEL GLADFELTER



OIL CONDITION

Visc @ 40°C	cSt	42.9	43.9	---	---
Acid Number (AN)	mg KOH/g	0.47	0.48	---	---

T: (410)833-9833
 F: (410)833-9822



CONTAMINATION

Particles >4µm		712	23511	---	---
Particles >6µm		55	1980	---	---
Particles >14µm		8	41	---	---
ISO 4406:1999 (c)		17/13/10	22/18/13	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	0	---	---

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	4	3	---	---
Copper	ppm	25	16	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	151	200	---	---
Magnesium	ppm	0	4	---	---
Zinc	ppm	448	557	---	---
Phosphorus	ppm	310	417	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: GAICOC
Unique No: 10714768
Signed: Wes Davis
Report Date: 30 Oct 2023

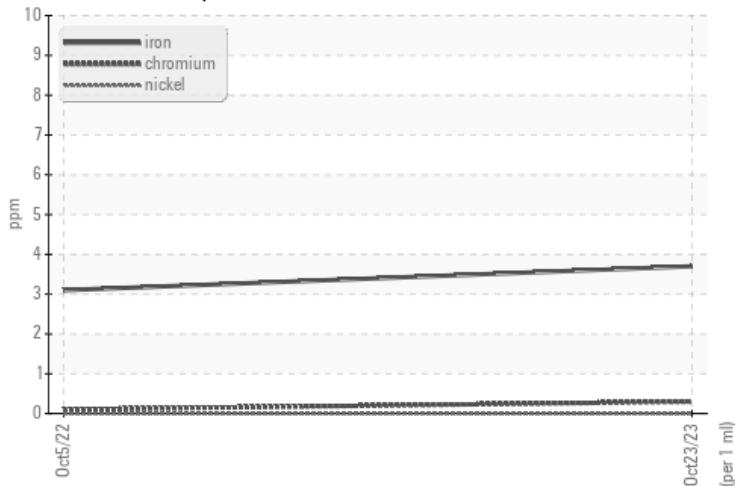


CONSTRUCTION EQUIPMENT

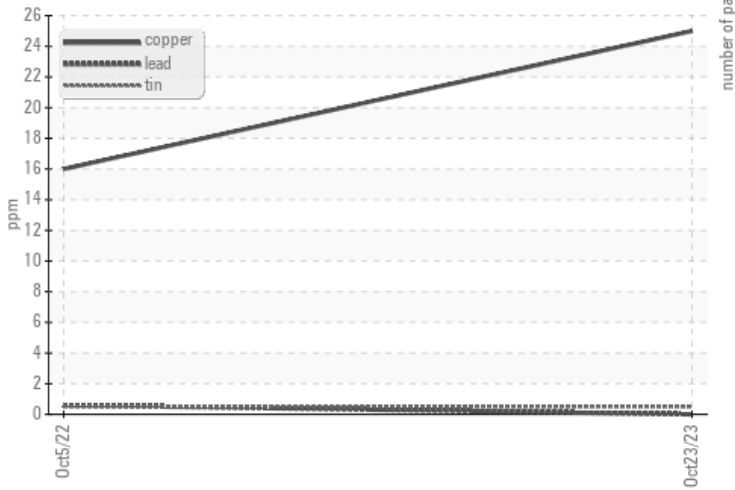


GRAPHS

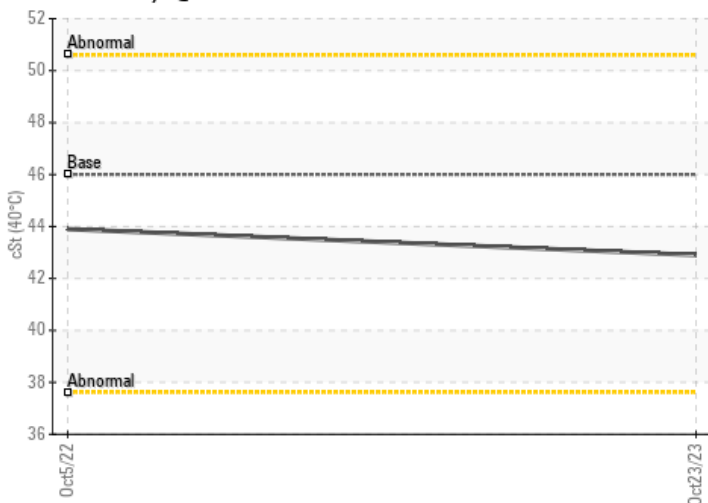
Ferrous Alloys



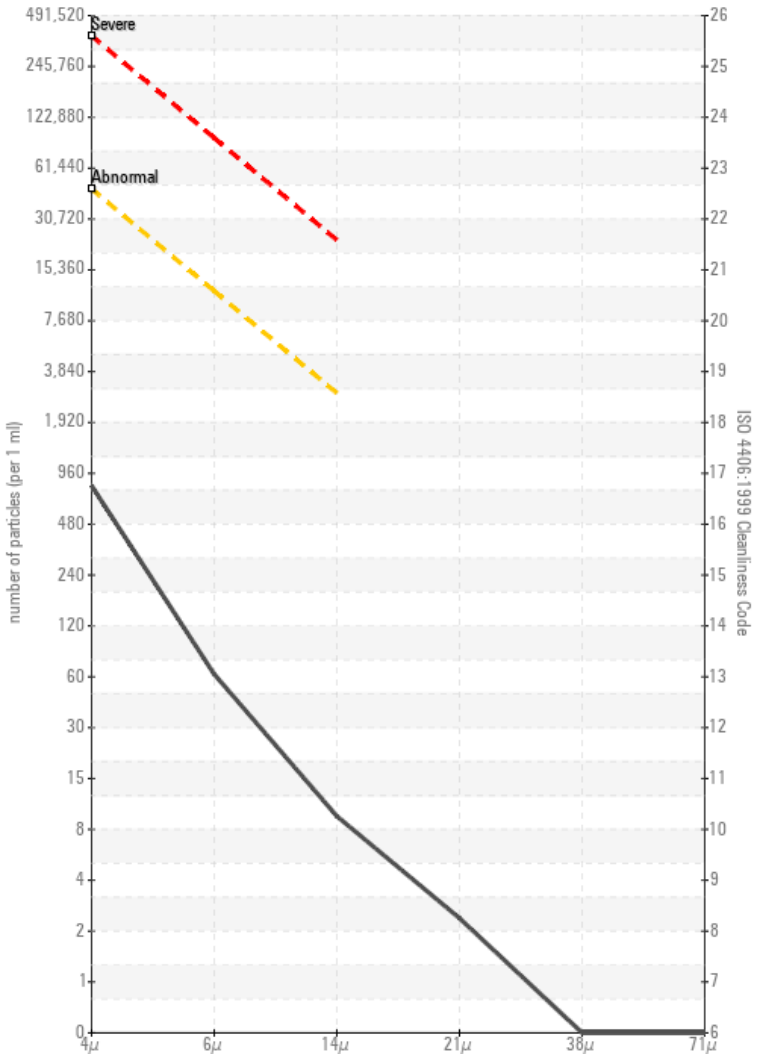
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

