



CONSTRUCTION EQUIPMENT - HYDRAULIC SYSTEM



Sample No: VCP450960
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP450960	VCP430384	---	---
Sample Date	02 May 2024	29 Feb 2024	---	---
Machine Hours	2138	1960	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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 HERMITAGE, TX
 US 37076
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 F:



OIL CONDITION

Visc @ 40°C	cSt	42.2	41.7	---	---
Acid Number (AN)	mg KOH/g	0.50	0.66	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		6633	1365	---	---
Particles >6µm		299	97	---	---
Particles >14µm		21	8	---	---
ISO 4406:1999 (c)		20/15/12	18/14/10	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	0	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	3	5	---	---
Copper	ppm	15	19	---	---
Lead	ppm	0	3	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	160	199	---	---
Magnesium	ppm	0	<1	---	---
Zinc	ppm	530	558	---	---
Phosphorus	ppm	416	447	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	0	---	---

Depot: CDLHER
Unique No: 11019884
Signed: Wes Davis
Report Date: 16 May 2024

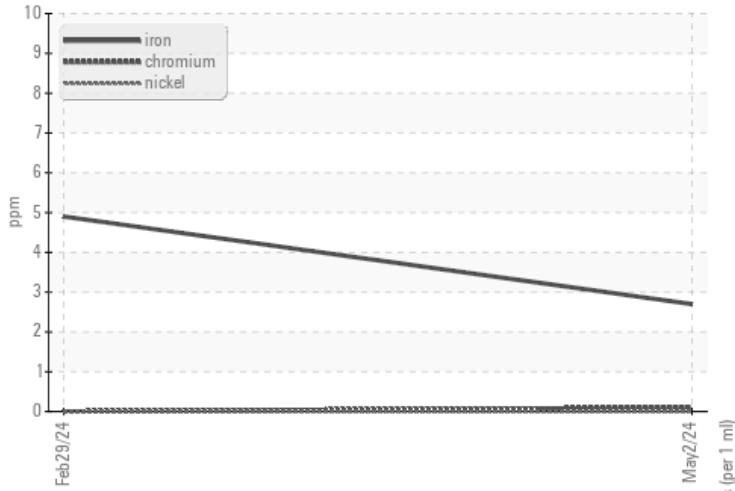


CONSTRUCTION EQUIPMENT

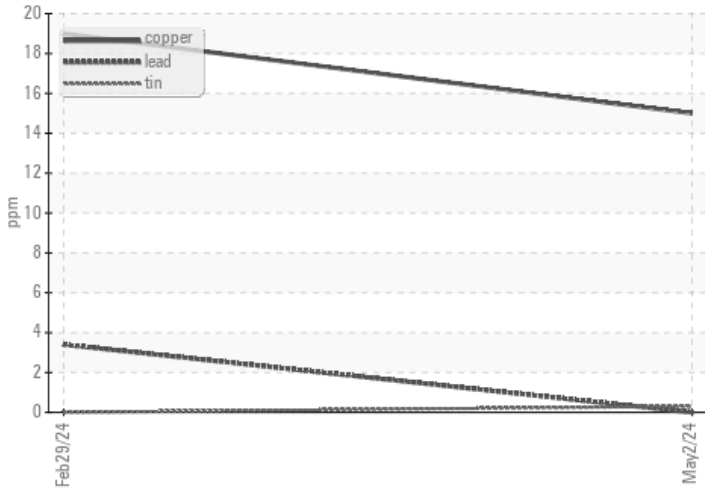


VOLVO GRAPHS

Ferrous Alloys



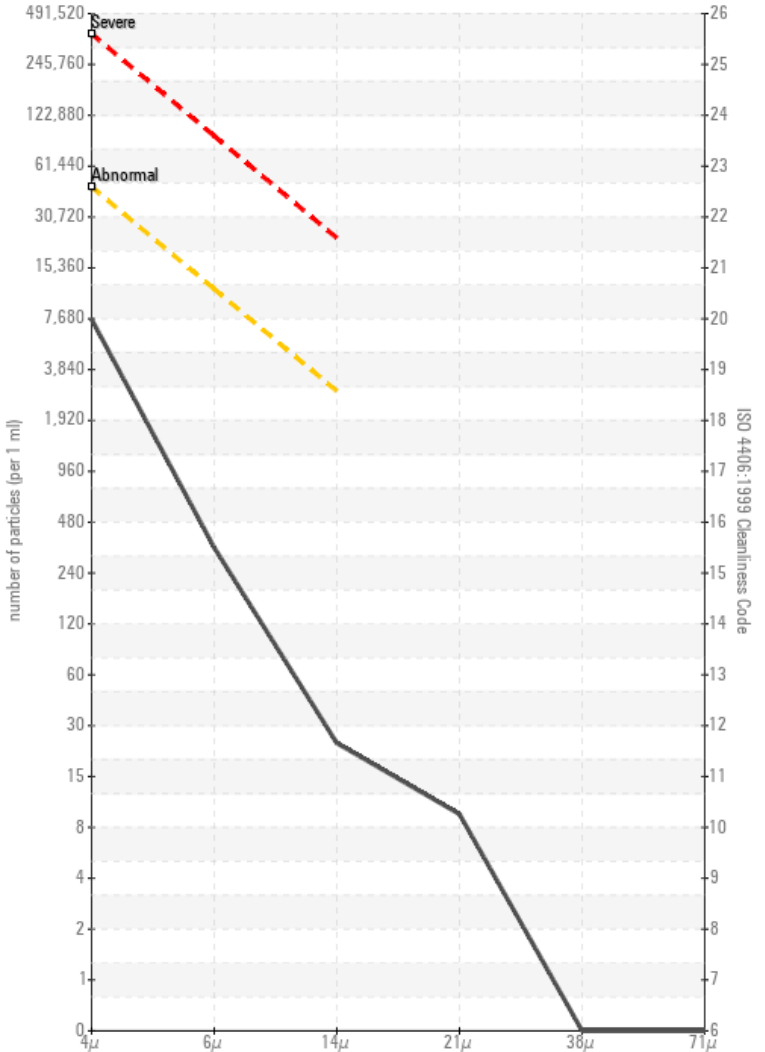
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

