



CONSTRUCTION EQUIPMENT

12622 METAL TECH VOLVO L220H 2718 - HYDRAULIC SYSTEM



Sample No: VCP454444
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 12622 METAL TECH



SAMPLE INFORMATION

Sample Number	VCP454444	VCP443396	---	---
Sample Date	06 May 2024	27 Feb 2024	---	---
Machine Hours	17016	16260	---	---
Oil Hours	0	2000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

HOFFMAN EQUIPMENT - LIONVILLE

120 GORDON DRIVE
LIONVILLE, PA
US 19341
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OIL CONDITION

Visc @ 40°C	cSt	42.9	39.7	---	---
Acid Number (AN)	mg KOH/g	0.41	1.28	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		44458	6922	---	---
Particles >6µm		8303	893	---	---
Particles >14µm		247	34	---	---
ISO 4406:1999 (c)		23/20/15	20/17/12	---	---
Silicon	ppm	4	7	---	---
Sodium	ppm	2	6	---	---
Potassium	ppm	0	0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	7	16	---	---
Copper	ppm	1	2	---	---
Lead	ppm	1	2	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	2	3	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1048	2093	---	---
Magnesium	ppm	16	20	---	---
Zinc	ppm	631	903	---	---
Phosphorus	ppm	542	748	---	---
Barium	ppm	0	4	---	---
Boron	ppm	26	56	---	---

Depot: VOLVO8879
Unique No: 11034059
Signed: Don Baldrige
Report Date: 22 May 2024

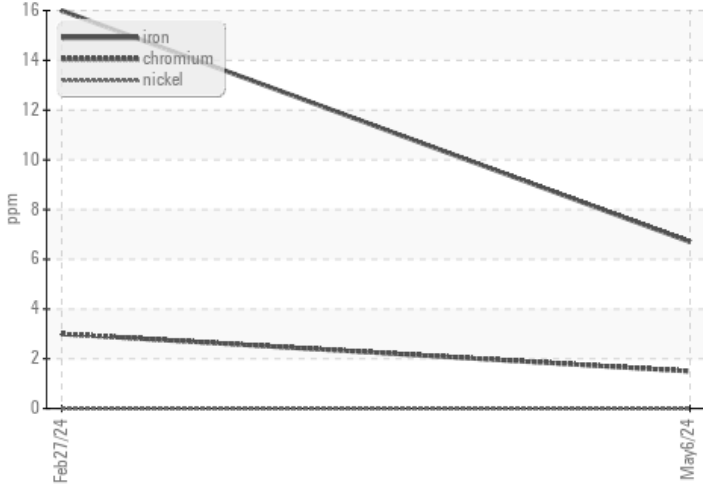


CONSTRUCTION EQUIPMENT

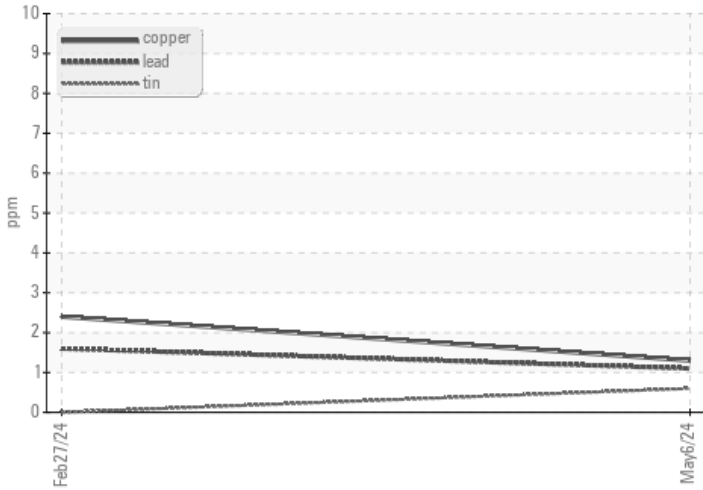


GRAPHS

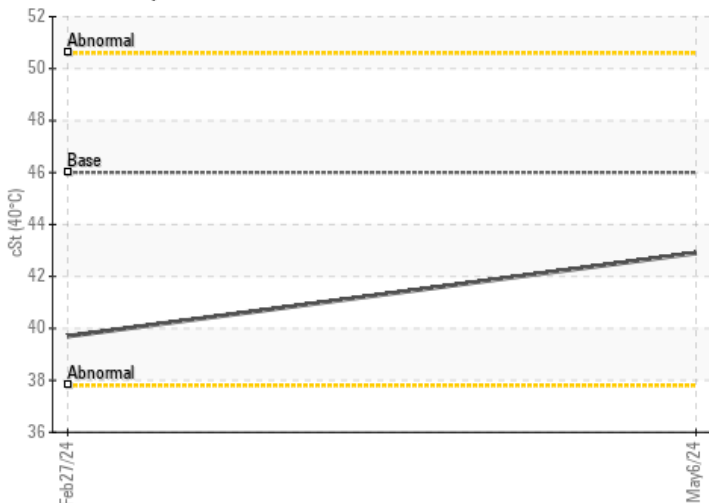
Ferrous Alloys



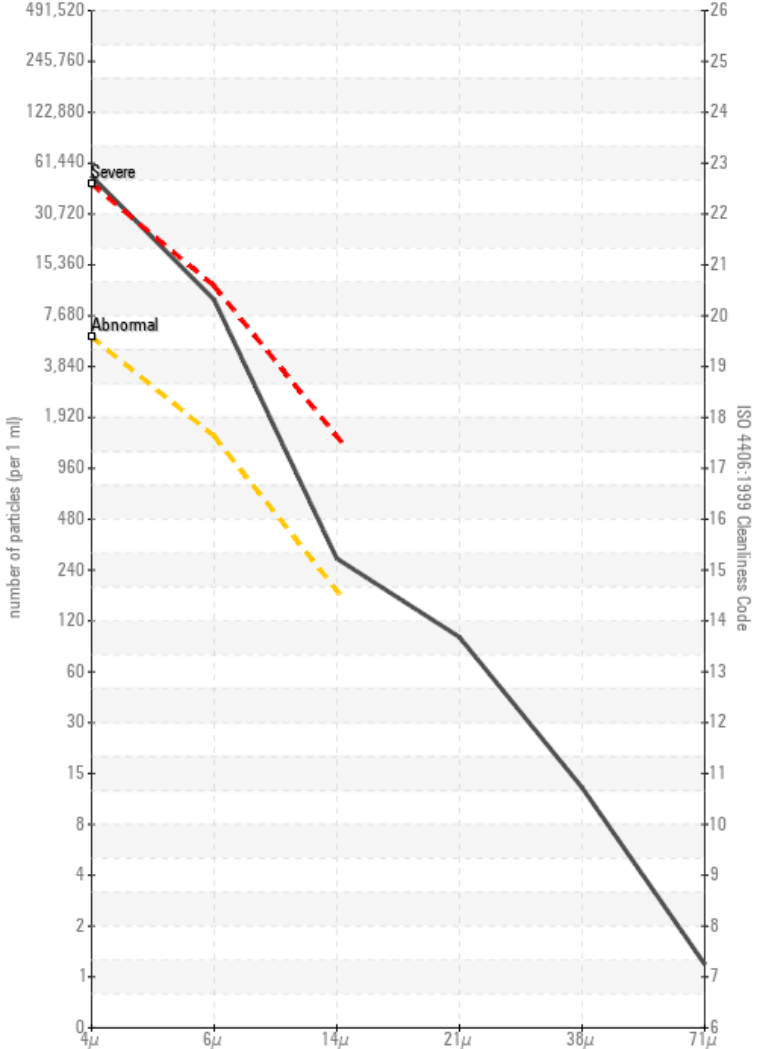
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

