



CONSTRUCTION EQUIPMENT

222030 BERGMAN C815S 5718 - HYDRAULIC SYSTEM



Sample No: VCP355015
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 222030



SAMPLE INFORMATION

Sample Number	VCP355015	---	---	---
Sample Date	02 Jun 2023	---	---	---
Machine Hours	1178	---	---	---
Oil Hours	1176	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 45.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.66	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 20751	---	---	---
Particles >6µm		● 2283	---	---	---
Particles >14µm		█ 73	---	---	---
ISO 4406:1999 (c)		22/18/13	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) 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	█ 3	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 283	---	---	---
Magnesium	ppm	81	---	---	---
Zinc	ppm	█ 562	---	---	---
Phosphorus	ppm	█ 443	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0096
Unique No: 10509114
Signed: Don Baldrige
Report Date: 13 Jun 2023

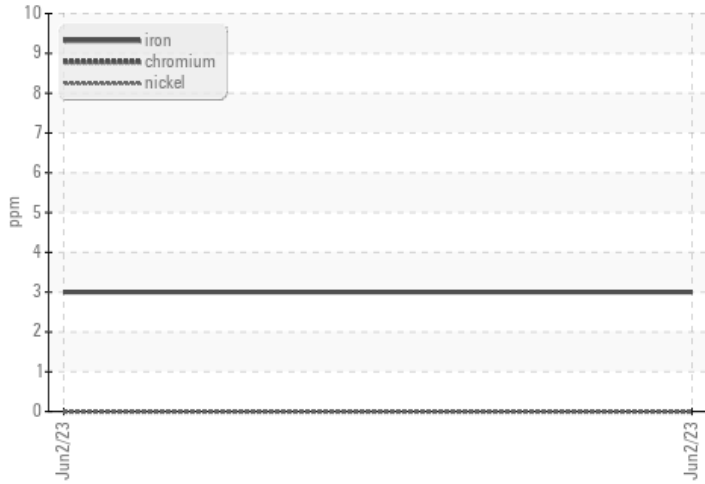


CONSTRUCTION EQUIPMENT

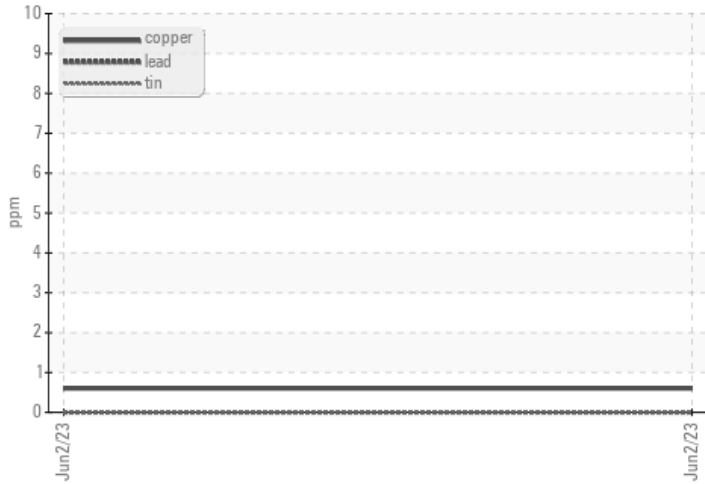


GRAPHS

Ferrous Alloys



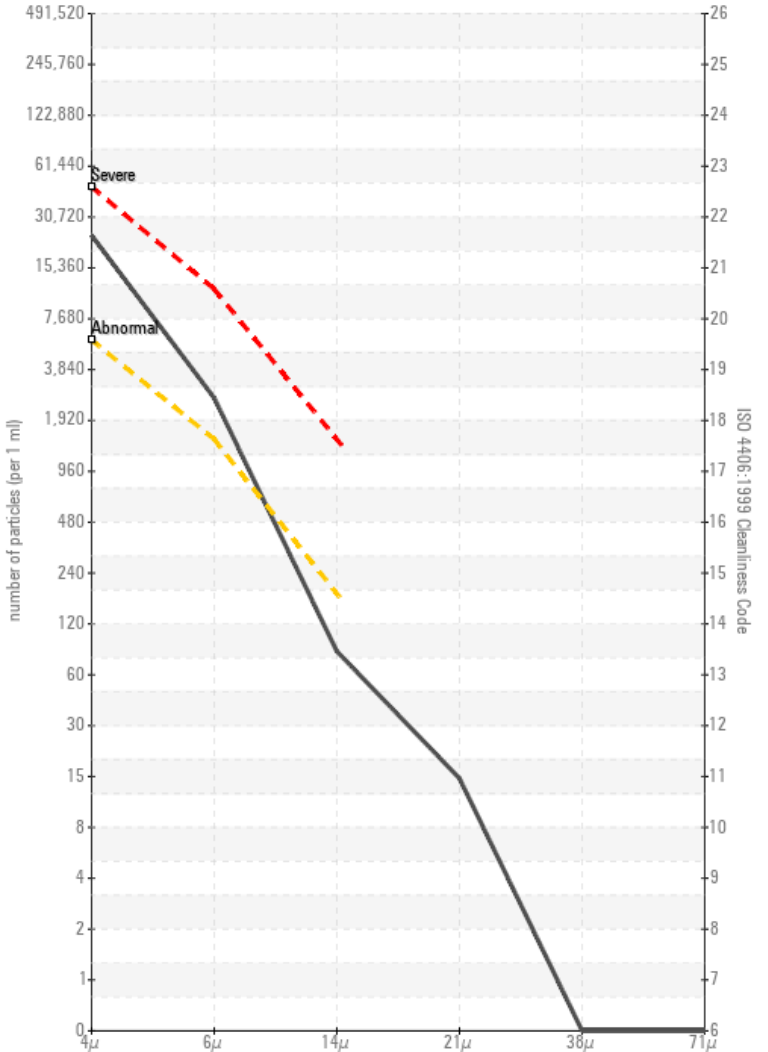
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

