



CONSTRUCTION EQUIPMENT

566838 SUPERIOR VOLVO SD115B 236905 - HYDRAULIC SYSTEM



Sample No: VCP392724
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 566838 SUPERIOR



SAMPLE INFORMATION

Sample Number	VCP392724	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	912	---	---	---
Oil Hours	912	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.19	---	---	---



CONTAMINATION

Particles >4µm		█ 1011	---	---	---
Particles >6µm		█ 179	---	---	---
Particles >14µm		█ 12	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	█ 6	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 119	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 88	---	---	---
Phosphorus	ppm	█ 427	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0093
Unique No: 10574245
Signed: Don Baldrige
Report Date: 28 Jul 2023

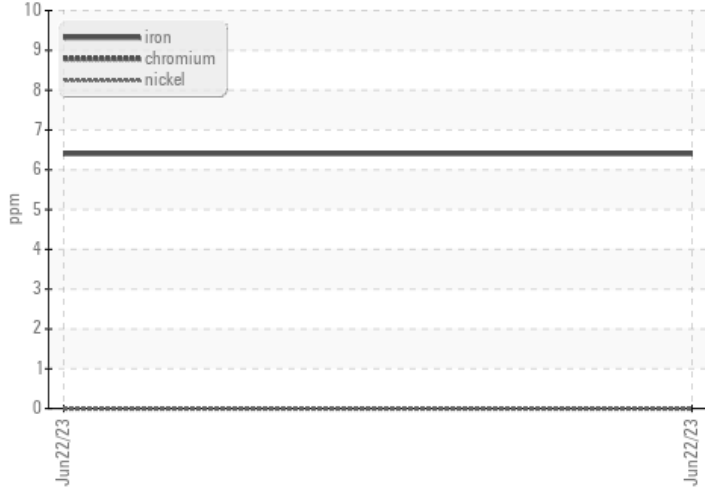


CONSTRUCTION EQUIPMENT

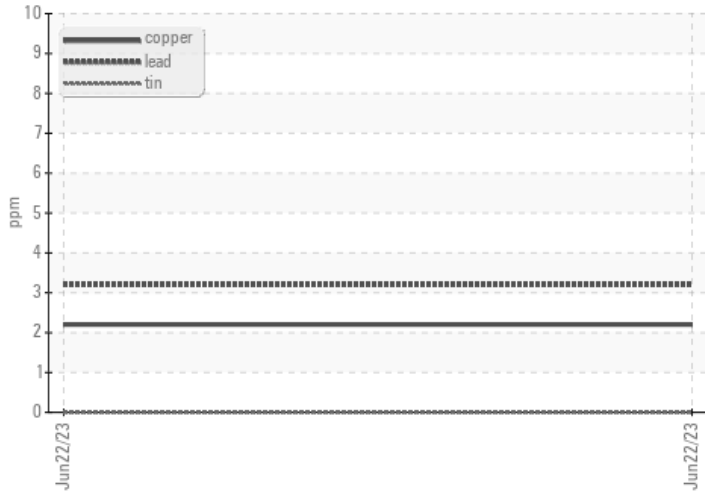


GRAPHS

Ferrous Alloys



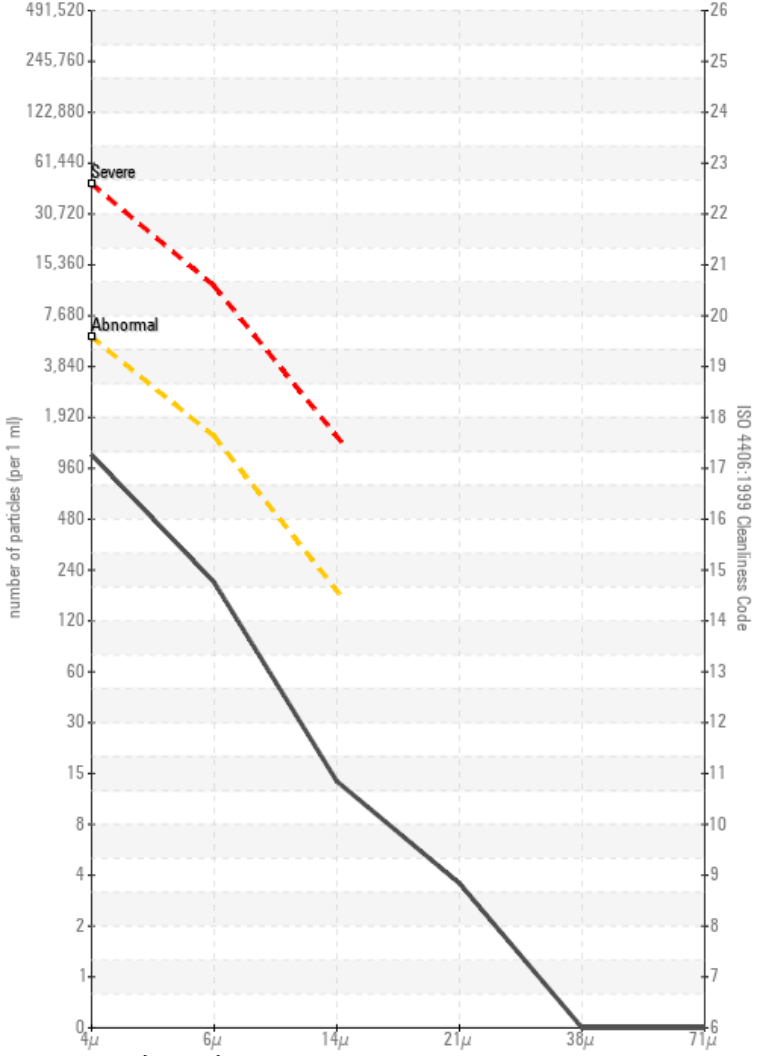
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

