



CONSTRUCTION EQUIPMENT

703566 HERC VOLVO EC220 310686 - HYDRAULIC SYSTEM



Sample No: VCP449531
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 703566 HERC



SAMPLE INFORMATION

Sample Number	VCP449531	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	643	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.62	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 8117	---	---	---
Particles >6µm		█ 955	---	---	---
Particles >14µm		█ 38	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 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	█ 1	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 134	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 712	---	---	---
Phosphorus	ppm	█ 545	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0096
Unique No: 11009031
Signed: Wes Davis
Report Date: 06 May 2024

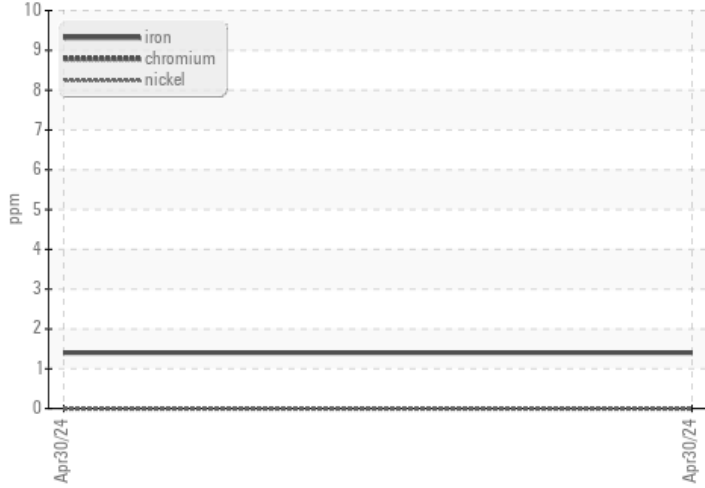


CONSTRUCTION EQUIPMENT

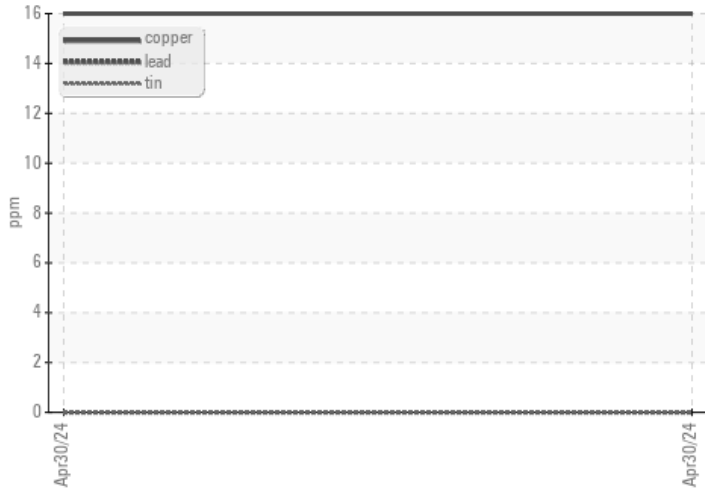


VOLVO GRAPHS

Ferrous Alloys



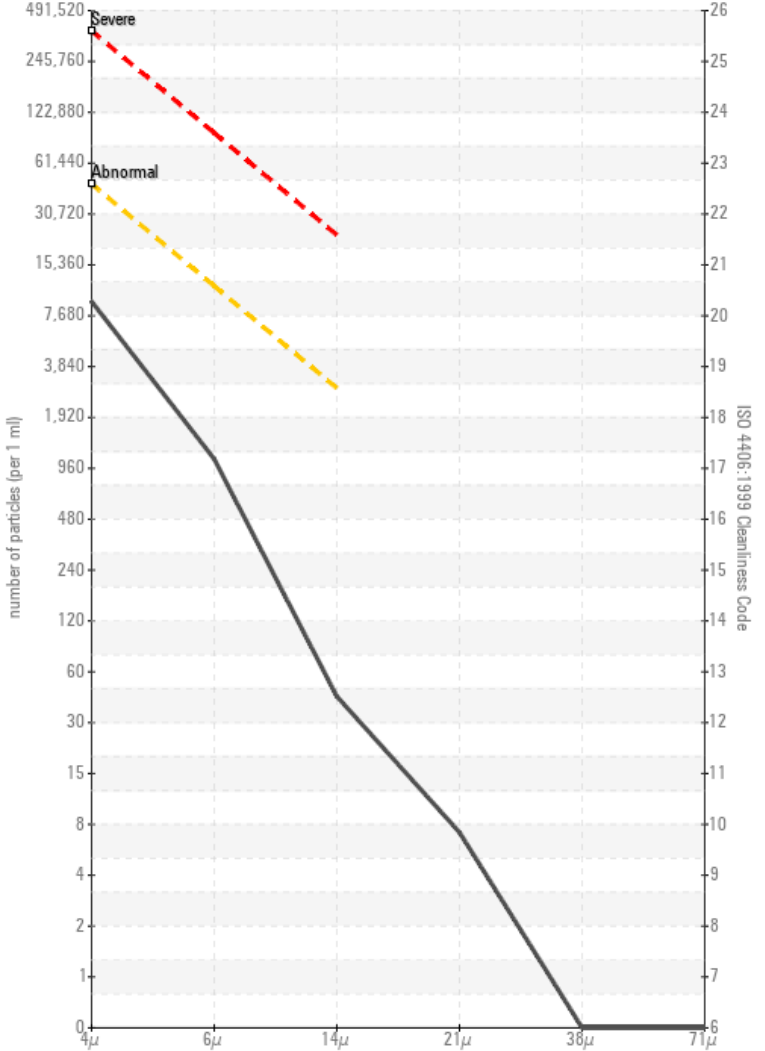
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

