



CONSTRUCTION EQUIPMENT

544259 RENTALS VOLVO A30 753398 - HYDRAULIC SYSTEM



Sample No: VCP451092
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 544259 RENTALS



SAMPLE INFORMATION

Sample Number	VCP451092	VCP451303	---	---
Sample Date	24 Apr 2024	19 Apr 2024	---	---
Machine Hours	1166	1160	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█44.6	█44.5	---	---
Acid Number (AN)	mg KOH/g	█0.39	█0.46	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█29544	█2481	---	---
Particles >6µm		●6054	█584	---	---
Particles >14µm		▲327	█52	---	---
ISO 4406:1999 (c)		22/20/16	18/16/13	---	---
Silicon	ppm	█4	█3	---	---
Sodium	ppm	█2	█1	---	---
Potassium	ppm	█0	█0	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	█4	█2	---	---
Copper	ppm	█2	█1	---	---
Lead	ppm	█<1	█0	---	---
Tin	ppm	█0	█0	---	---
Aluminum	ppm	█0	█0	---	---
Chromium	ppm	█0	█0	---	---
Molybdenum	ppm	█0	█0	---	---
Nickel	ppm	█0	█0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█0	█0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█55	█63	---	---
Magnesium	ppm	█0	█0	---	---
Zinc	ppm	█430	█426	---	---
Phosphorus	ppm	█341	█322	---	---
Barium	ppm	█0	█0	---	---
Boron	ppm	█0	█0	---	---

Depot: VOLVO0090
Unique No: 11006353
Signed: Wes Davis
Report Date: 02 May 2024

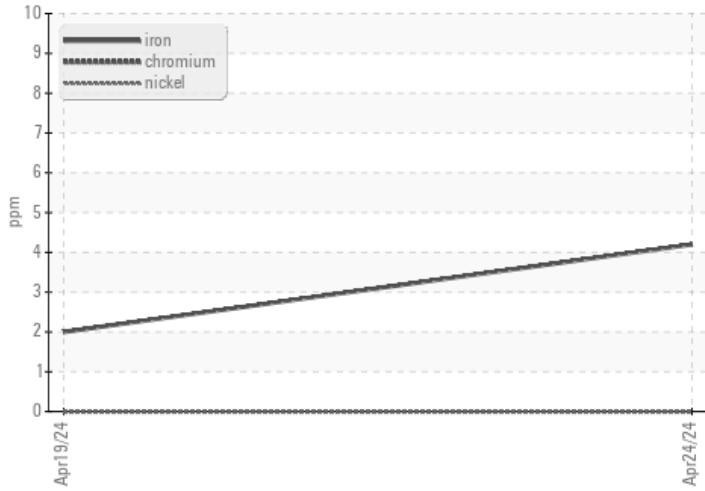


CONSTRUCTION EQUIPMENT

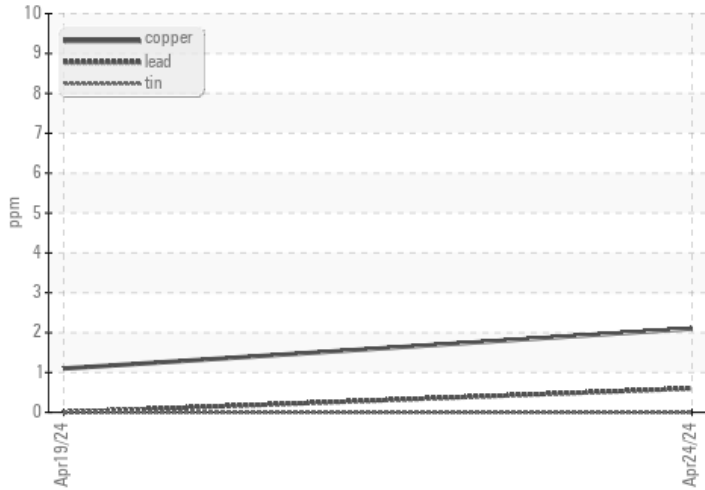


GRAPHS

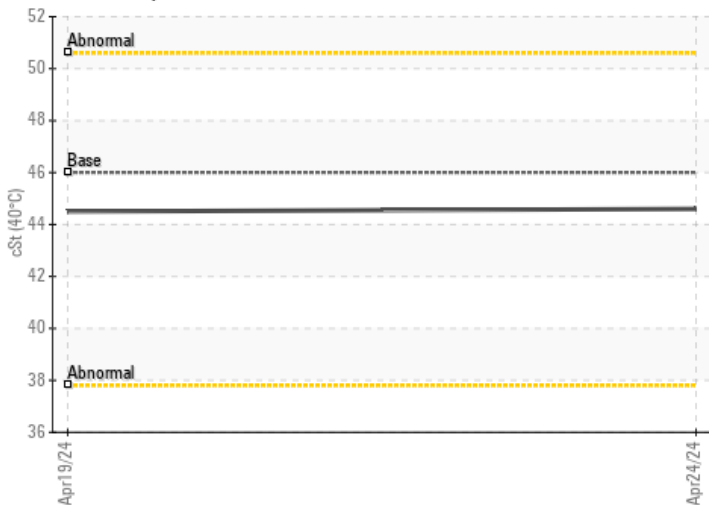
Ferrous Alloys



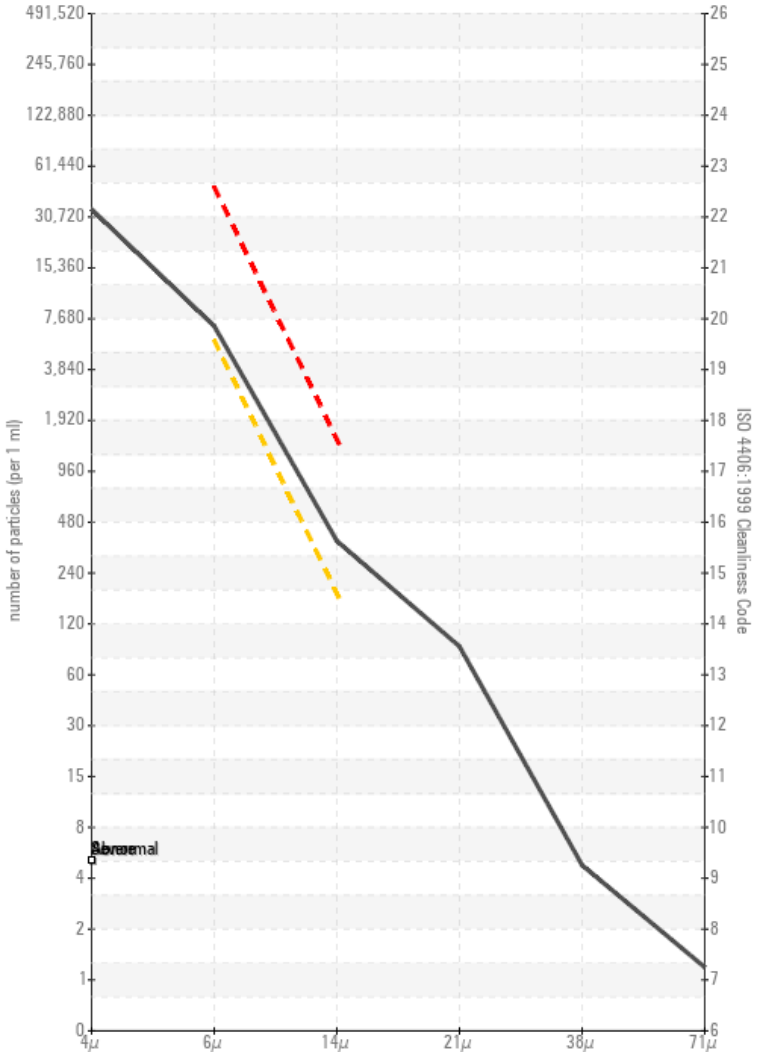
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

