



CONSTRUCTION EQUIPMENT

700724 RENTALS VOLVO A25G 75294 - HYDRAULIC SYSTEM



Sample No: VCP446396
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 700724 RENTALS



SAMPLE INFORMATION

Sample Number	VCP446396	VCP446391	---	---
Sample Date	05 Apr 2024	04 Apr 2024	---	---
Machine Hours	2592	2592	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	55.3	52.0	---	---
Acid Number (AN)	mg KOH/g	0.94	0.86	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		38384	3504	---	---
Particles >6µm		12486	710	---	---
Particles >14µm		1231	35	---	---
ISO 4406:1999 (c)		22/21/17	19/17/12	---	---
Silicon	ppm	6	4	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	0	0	---	---

Diagnosis

The filter change at the time of sampling has been noted. 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	1	3	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	36	28	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	715	550	---	---
Magnesium	ppm	325	252	---	---
Zinc	ppm	591	551	---	---
Phosphorus	ppm	546	500	---	---
Barium	ppm	0	0	---	---
Boron	ppm	38	28	---	---

Depot: VOLVO0096
Unique No: 10968980
Signed: Jonathan Hester
Report Date: 15 Apr 2024

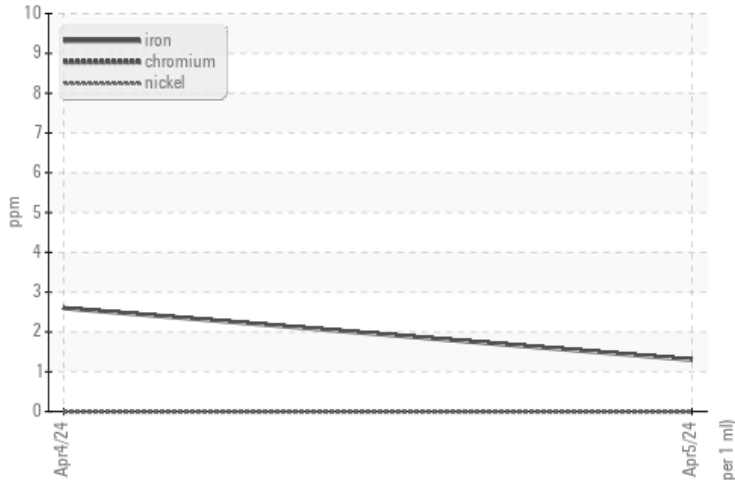


CONSTRUCTION EQUIPMENT

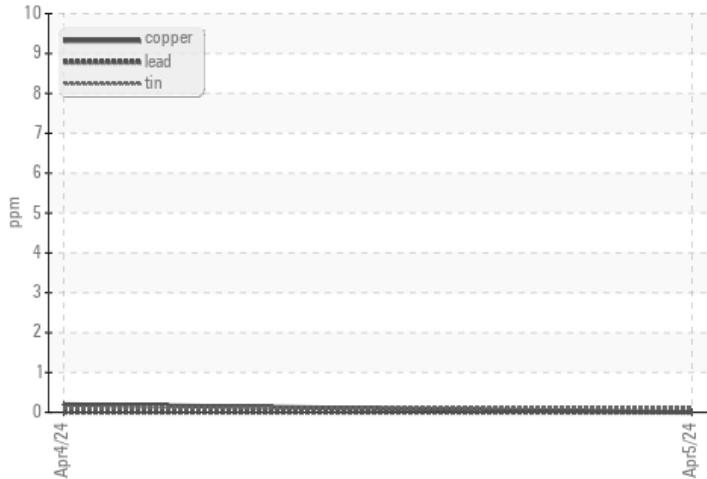


GRAPHS

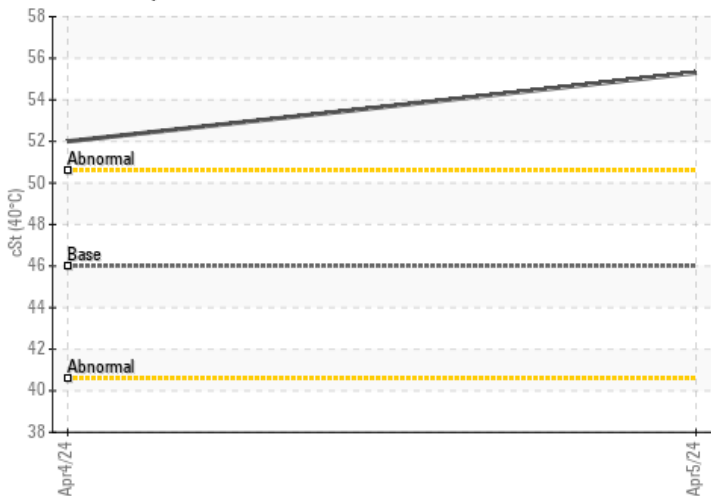
Ferrous Alloys



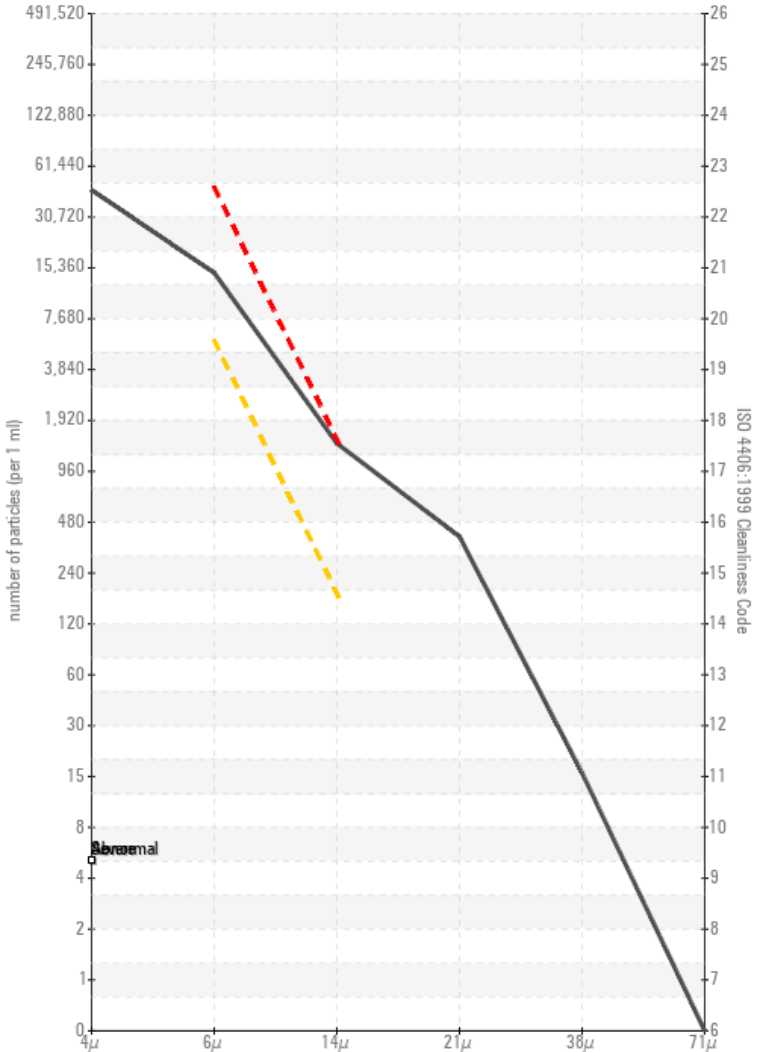
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

