



CONSTRUCTION EQUIPMENT

X59558 VOLVO EC300ELR 317660 - HYDRAULIC SYSTEM



Sample No: VCP437023
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X59558



SAMPLE INFORMATION

Sample Number	VCP437023	VCP442708	---	---
Sample Date	02 May 2024	09 Feb 2024	---	---
Machine Hours	1020	476	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	42.3	43.2	---	---
Acid Number (AN)	mg KOH/g	0.45	0.56	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		34868	43388	---	---
Particles >6µm		9485	13081	---	---
Particles >14µm		569	810	---	---
ISO 4406:1999 (c)		22/20/16	23/21/17	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	<1	1	---	---

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	2	<1	---	---
Copper	ppm	21	17	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	88	91	---	---
Magnesium	ppm	<1	1	---	---
Zinc	ppm	548	544	---	---
Phosphorus	ppm	427	393	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: SCOSAI
Unique No: 11018634
Signed: Wes Davis
Report Date: 09 May 2024

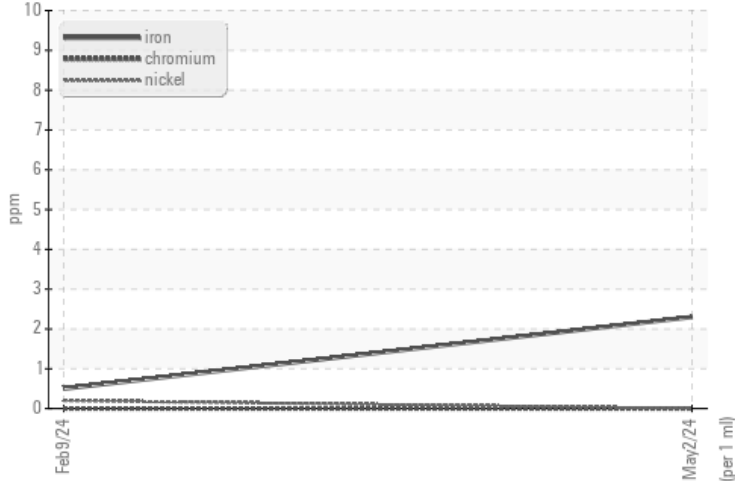


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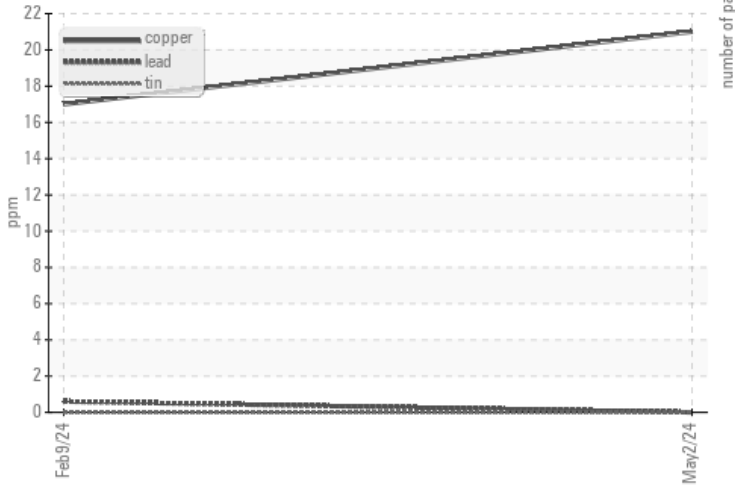


GRAPHS

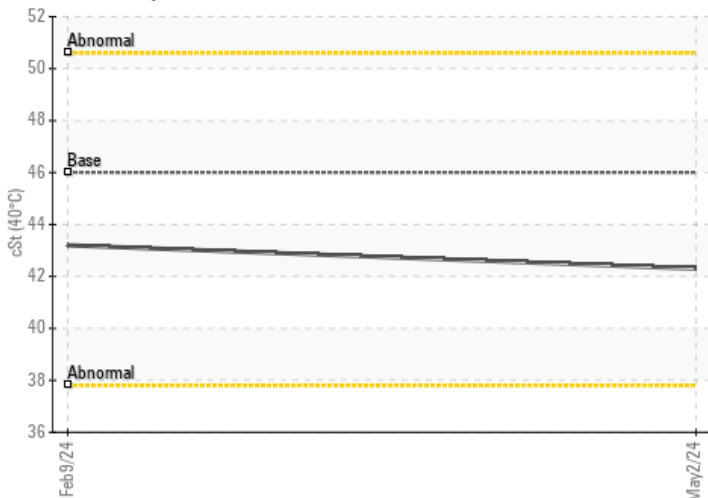
Ferrous Alloys



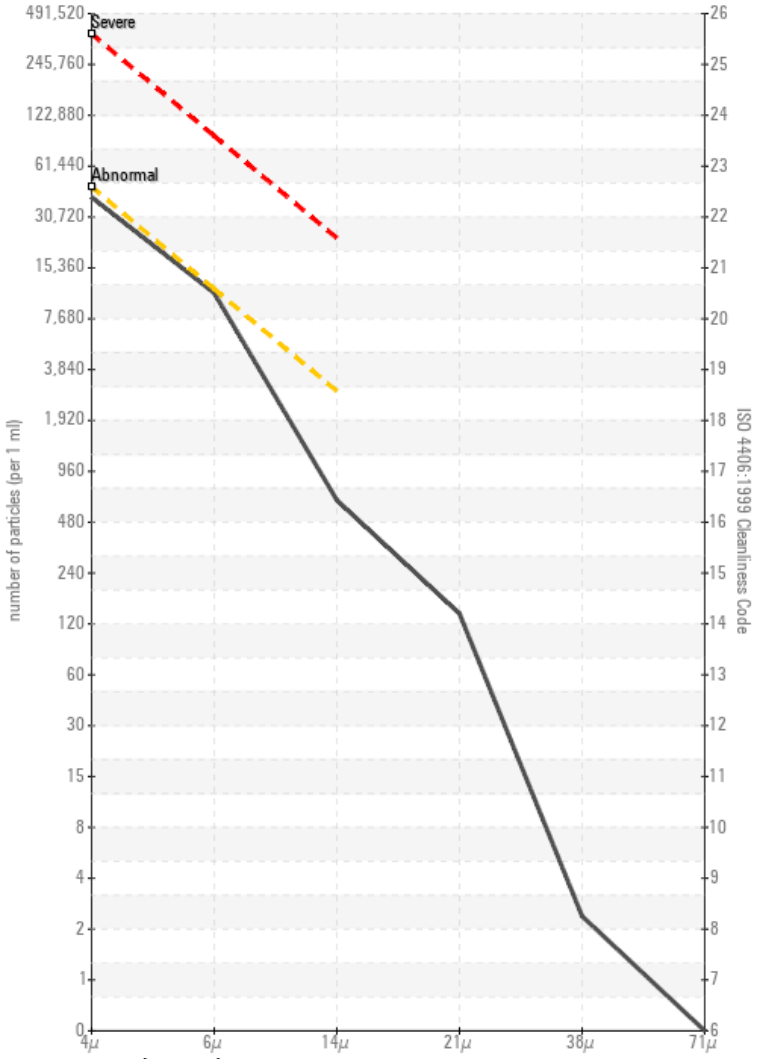
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

