



CONSTRUCTION EQUIPMENT

3560 FCL VOLVO ECR235E 315257 - HYDRAULIC SYSTEM



Sample No: VCP439134
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 3560 FCL



SAMPLE INFORMATION

Sample Number	VCP439134	VCP422045	---	---
Sample Date	06 Feb 2024	24 May 2023	---	---
Machine Hours	2716	1569	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	42.3	43.0	---	---
Acid Number (AN)	mg KOH/g	0.57	0.49	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3305	7908	---	---
Particles >6µm		754	1380	---	---
Particles >14µm		47	36	---	---
ISO 4406:1999 (c)		19/17/13	20/18/12	---	---
Silicon	ppm	6	7	---	---
Sodium	ppm	0	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	2	---	---
Copper	ppm	26	24	---	---
Lead	ppm	1	1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	86	86	---	---
Magnesium	ppm	2	10	---	---
Zinc	ppm	498	572	---	---
Phosphorus	ppm	410	438	---	---
Barium	ppm	13	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10873453
Signed: Wes Davis
Report Date: 13 Feb 2024

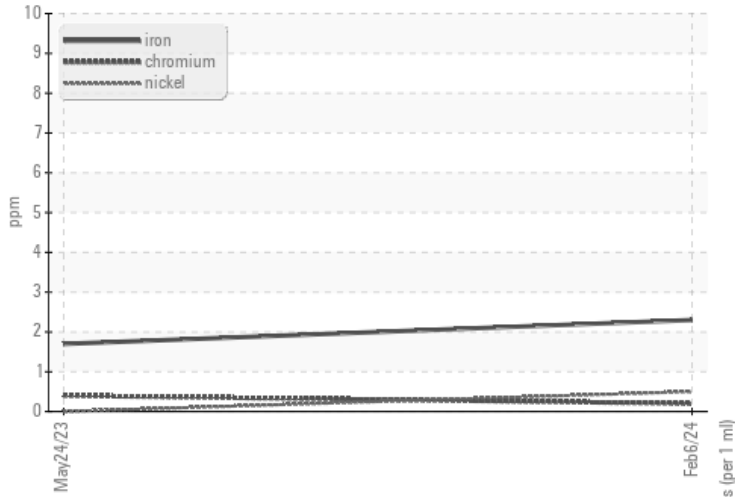


CONSTRUCTION EQUIPMENT

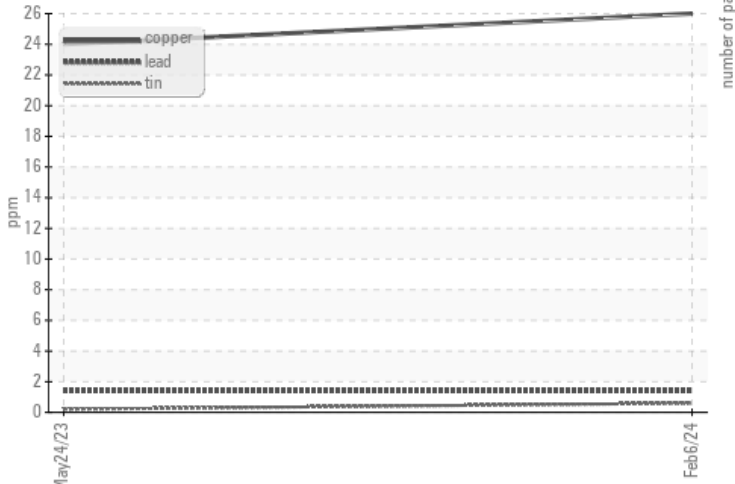


GRAPHS

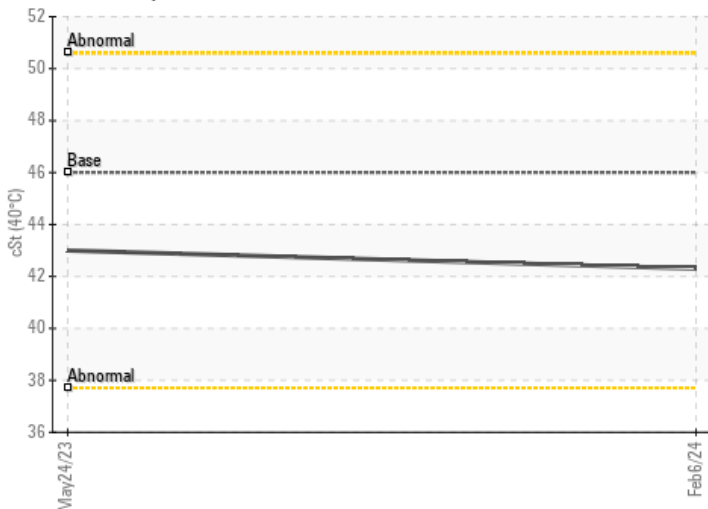
Ferrous Alloys



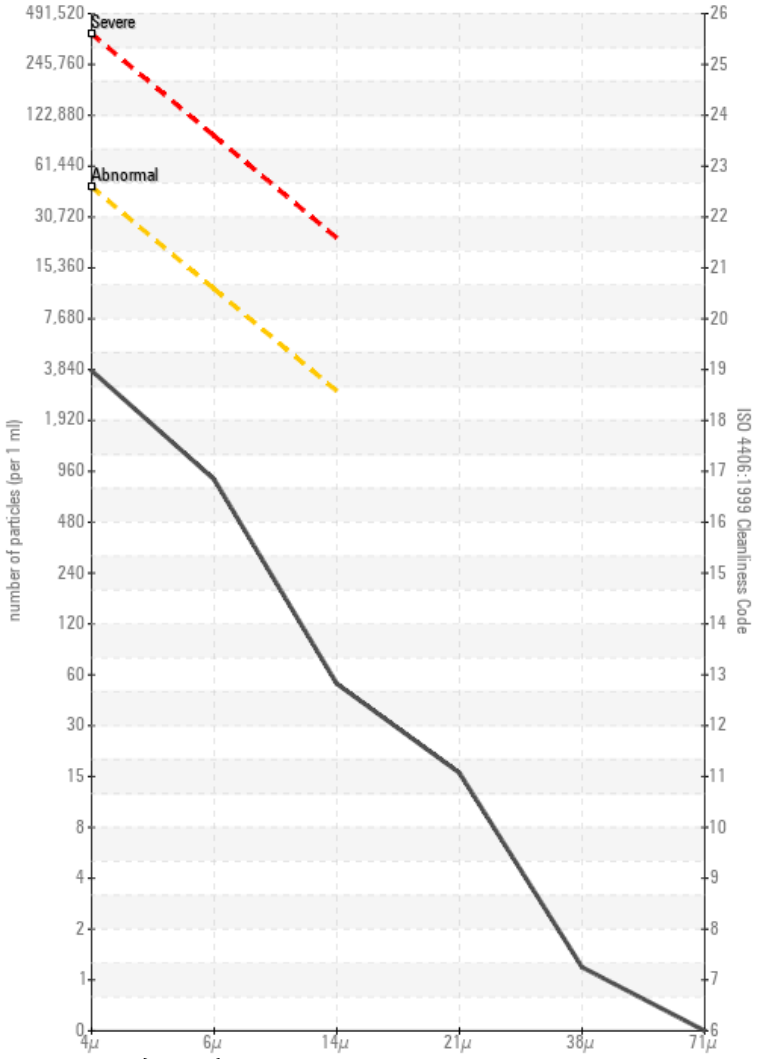
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

