



CONSTRUCTION EQUIPMENT

659444 MOSAIC FERT VOLVO EC480EL 315147 - HYDRAULIC SYSTEM



Sample No: VCP454177
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 659444 MOSAIC FERT



SAMPLE INFORMATION

Sample Number	VCP454177	VCP455362	VCP417662	---
Sample Date	13 Jan 2024	02 Jan 2024	21 Aug 2023	---
Machine Hours	1647	1748	812	---
Oil Hours	1647	0	812	---
Oil Changed	Not Changd	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	41.0	40.1	41.1	---
Acid Number (AN)	mg KOH/g	0.50	0.53	0.50	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		30424	6061	12514	---
Particles >6µm		2582	1325	1476	---
Particles >14µm		28	81	58	---
ISO 4406:1999 (c)		22/19/12	20/18/14	21/18/13	---
Silicon	ppm	5	4	5	---
Sodium	ppm	2	0	2	---
Potassium	ppm	2	0	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	2	0	1	---
Copper	ppm	16	16	11	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	<1	0	0	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	68	71	90	---
Magnesium	ppm	2	0	<1	---
Zinc	ppm	484	488	525	---
Phosphorus	ppm	396	362	378	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0093
Unique No: 10886438
Signed: Wes Davis
Report Date: 20 Feb 2024

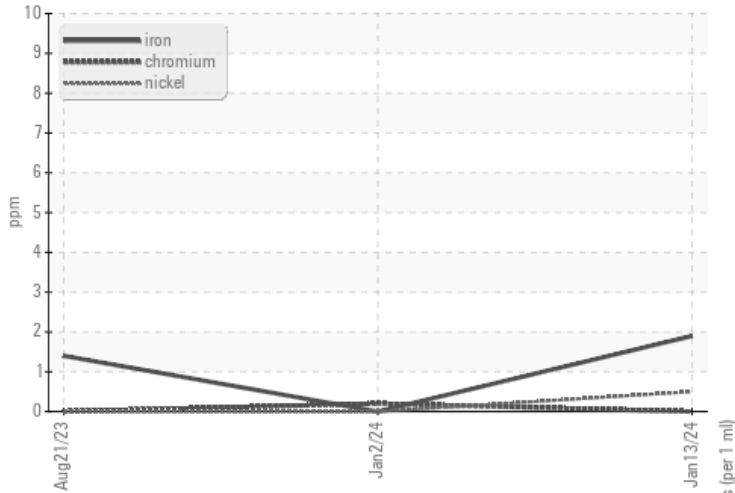


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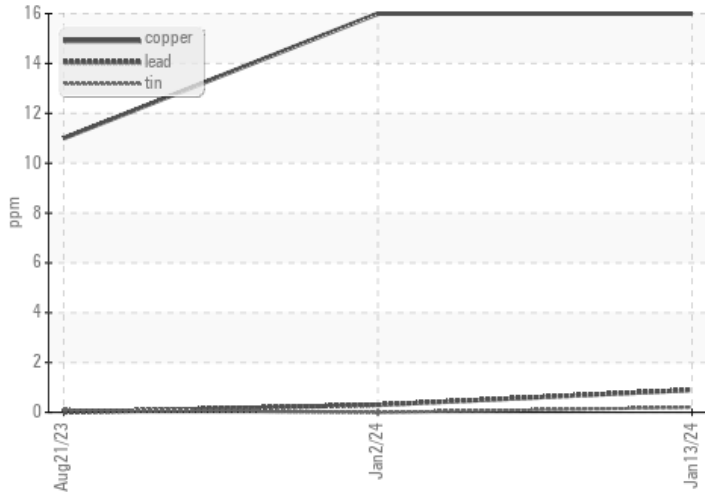


GRAPHS

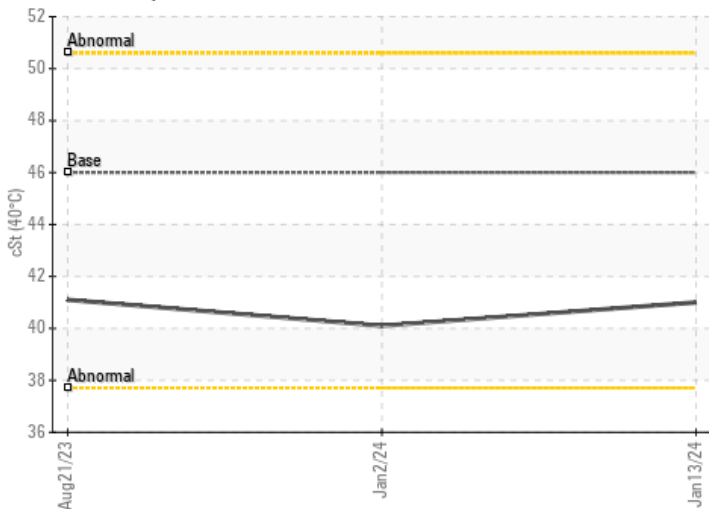
Ferrous Alloys



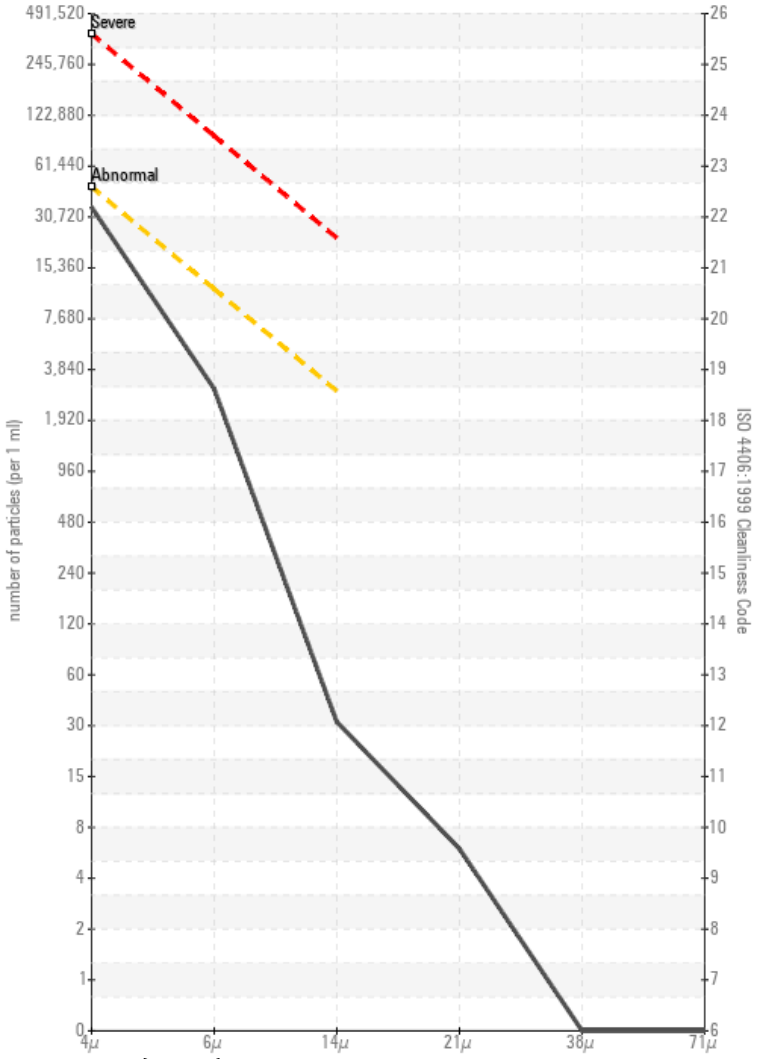
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

