



CONSTRUCTION EQUIPMENT

1722 RENTALS VOLVO EC480E 315143 - HYDRAULIC SYSTEM



Sample No: VCP437655
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 1722 RENTALS



SAMPLE INFORMATION

Sample Number	VCP437655	VCP432305	VCP413433	VCP411692
Sample Date	29 Jan 2024	31 Oct 2023	15 Aug 2023	07 Jun 2023
Machine Hours	2300	1550	1031	587
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.7	42.4	43.1	43.4
Acid Number (AN)	mg KOH/g	0.50	0.54	0.50	0.48



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		22671	130666	14340	17229
Particles >6µm		4472	39313	2019	3992
Particles >14µm		368	3021	63	180
ISO 4406:1999 (c)		22/19/16	24/22/19	21/18/13	21/19/15
Silicon	ppm	5	6	4	2
Sodium	ppm	0	0	<1	1
Potassium	ppm	0	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	0	3	1	<1
Copper	ppm	13	14	6	4
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	100	114	110	123
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	497	533	507	593
Phosphorus	ppm	382	389	408	453
Barium	ppm	0	<1	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO0096
Unique No: 10861822
Signed: Wes Davis
Report Date: 06 Feb 2024

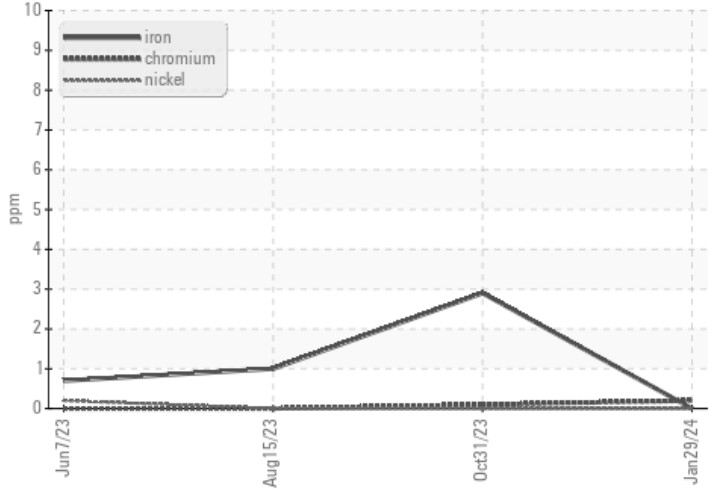


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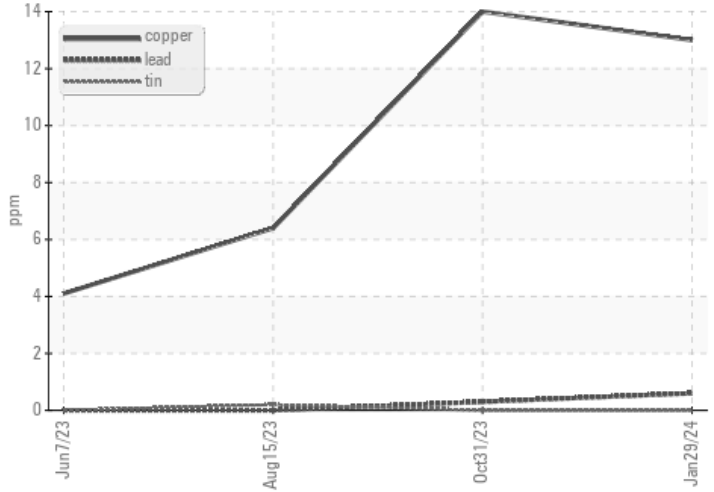


GRAPHS

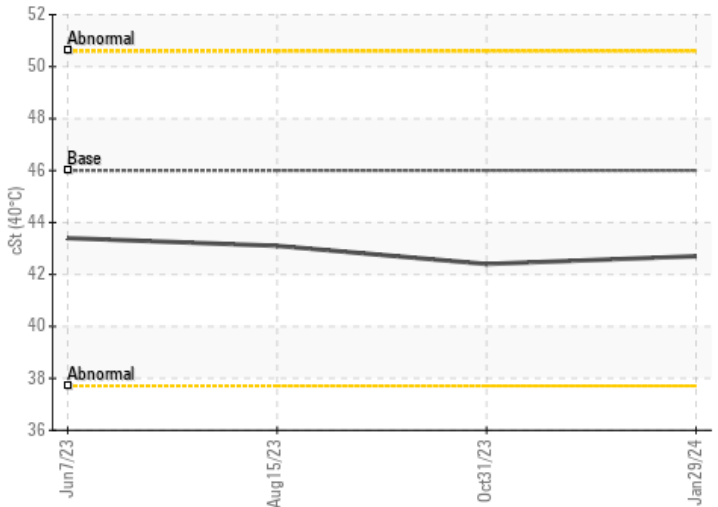
Ferrous Alloys



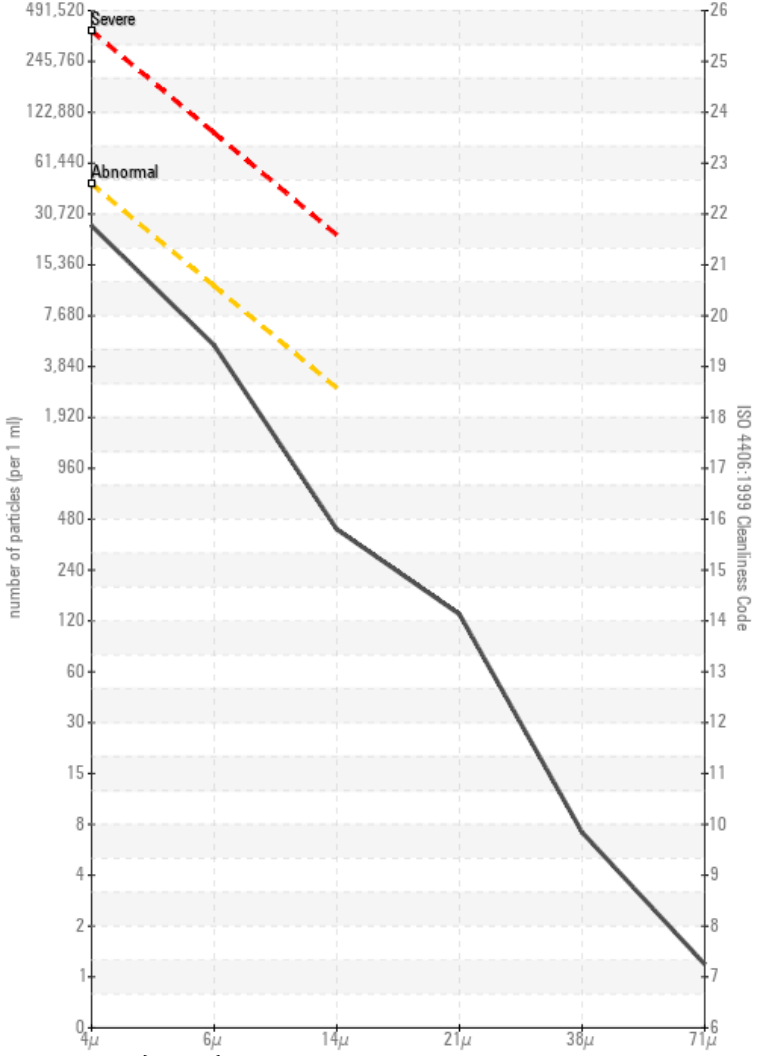
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

