



CONSTRUCTION EQUIPMENT

661680 ALTA RENTS VOLVO EC480E 315141 - HYDRAULIC SYSTEM



Sample No: VCP437953
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 661680 ALTA RENTS



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SAMPLE INFORMATION

Sample Number	VCP437953	VCP440728	VCP412209	VCP395360
Sample Date	27 Jan 2024	23 Dec 2023	16 Aug 2023	23 May 2023
Machine Hours	2449	2130	1133	544
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	42.2	42.6	42.9	43.0
Acid Number (AN)	mg KOH/g	0.72	0.56	0.54	0.47



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		17230	22789	706	10521
Particles >6µm		3543	4218	59	2223
Particles >14µm		91	147	6	64
ISO 4406:1999 (c)		21/19/14	22/19/14	17/13/10	21/18/13
Silicon	ppm	4	6	4	2
Sodium	ppm	1	0	<1	<1
Potassium	ppm	0	1	0	<1



WEAR METALS

Iron	ppm	2	3	<1	1
Copper	ppm	11	16	7	4
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	120	121	118	126
Magnesium	ppm	1	1	<1	<1
Zinc	ppm	471	550	508	564
Phosphorus	ppm	389	466	397	428
Barium	ppm	0	10	0	0
Boron	ppm	0	0	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.

Depot: VOLVO0096
Unique No: 10857752
Signed: Wes Davis
Report Date: 01 Feb 2024

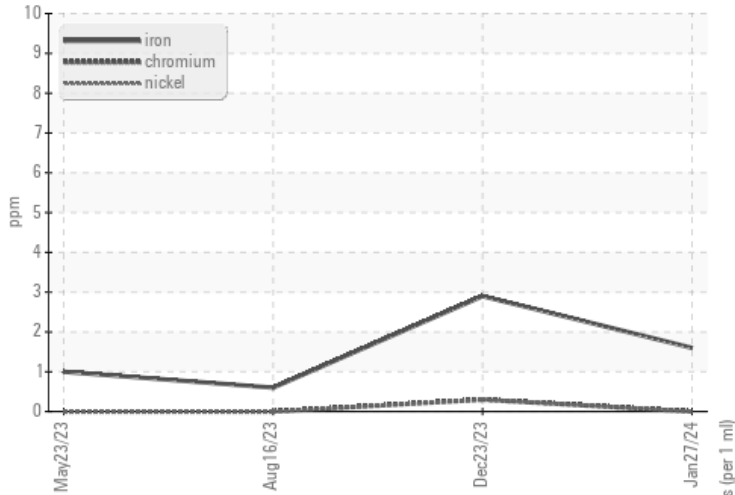


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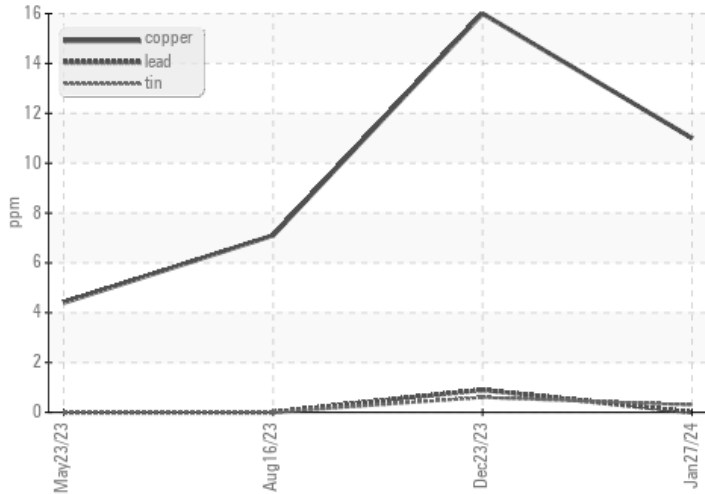


GRAPHS

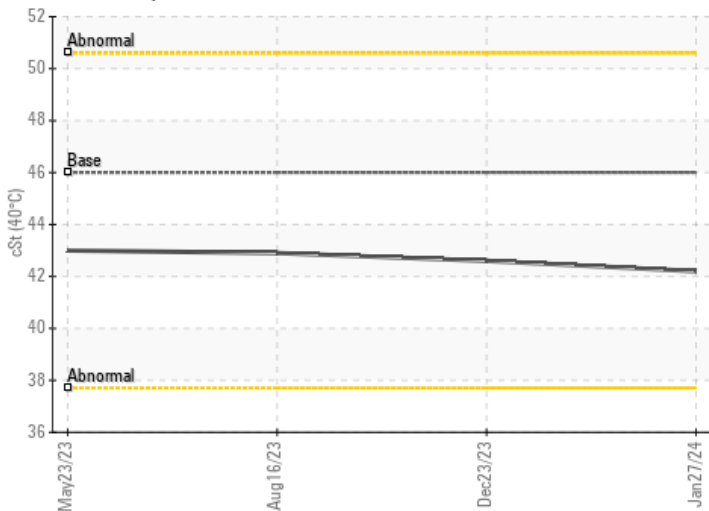
Ferrous Alloys



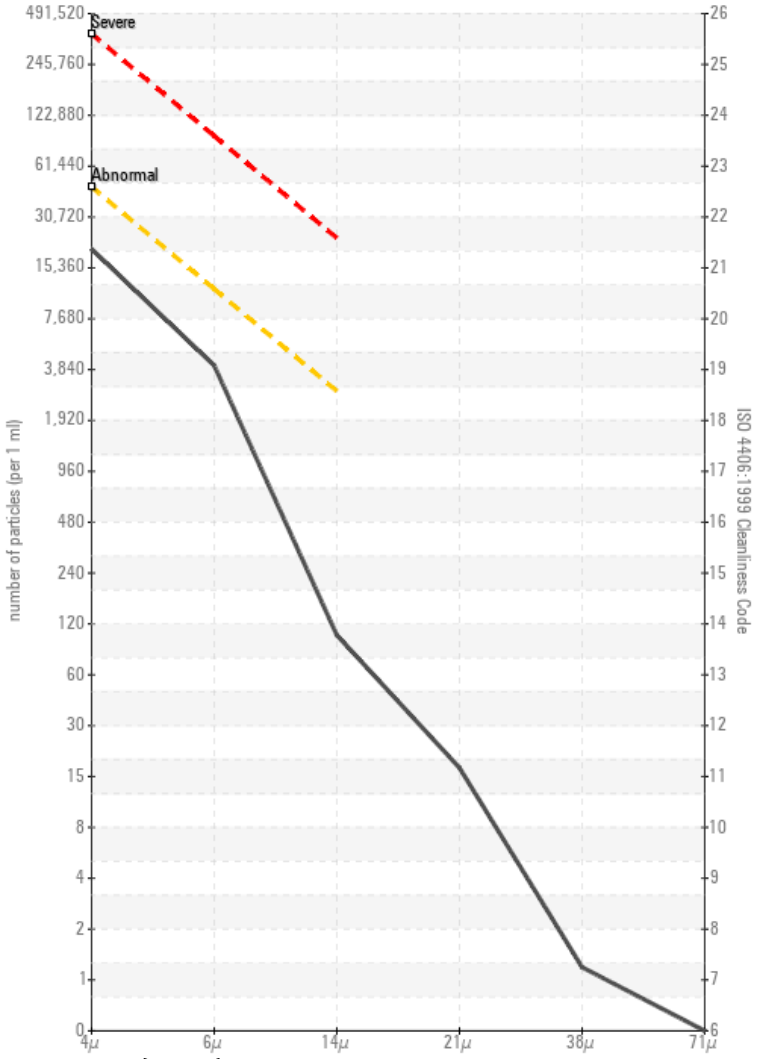
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

