



CONSTRUCTION EQUIPMENT

SWA553581-10 VOLVO A25G 740250 - HYDRAULIC SYSTEM



Sample No: VCP398428
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA553581-10



SAMPLE INFORMATION

Sample Number	VCP398428	VCP445628	VCP437589	VCP434383
Sample Date	04 May 2024	22 Apr 2024	26 Feb 2024	08 Nov 2023
Machine Hours	6452	6403	6109	5775
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.2	44.3	44.4	44.2
Acid Number (AN)	mg KOH/g	0.43	0.45	0.39	0.36



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1619	10656	5475	5687
Particles >6µm		297	3332	933	1290
Particles >14µm		48	255	110	107
ISO 4406:1999 (c)		18/15/13	21/19/15	20/17/14	20/17/14
Silicon	ppm	7	4	7	7
Sodium	ppm	0	2	3	1
Potassium	ppm	1	0	0	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	17	15	14	14
Copper	ppm	9	8	8	7
Lead	ppm	4	2	2	3
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	0	1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	2	1	<1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	86	82	83	72
Magnesium	ppm	6	4	2	5
Zinc	ppm	427	411	408	413
Phosphorus	ppm	363	331	322	337
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO0090
Unique No: 11017156
Signed: Wes Davis
Report Date: 08 May 2024

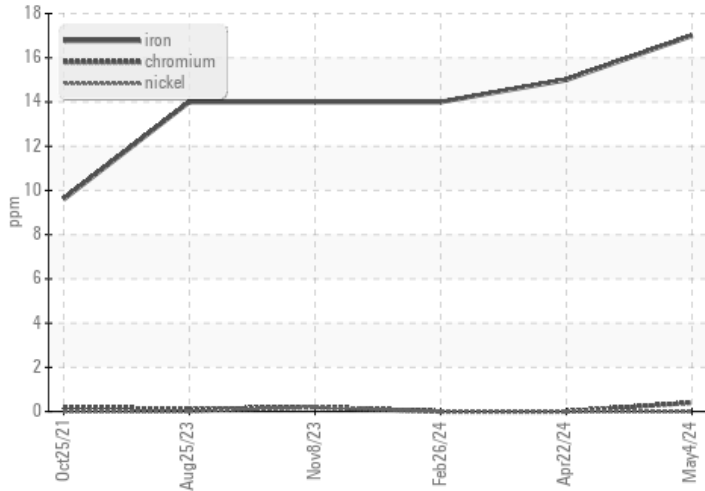


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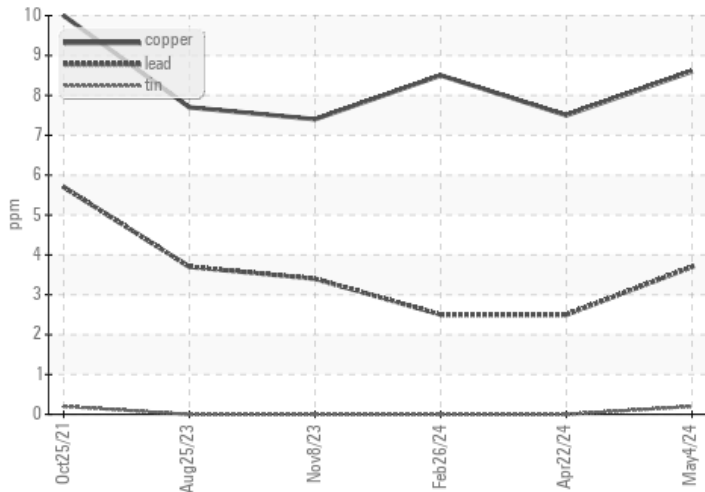


VOLVO GRAPHS

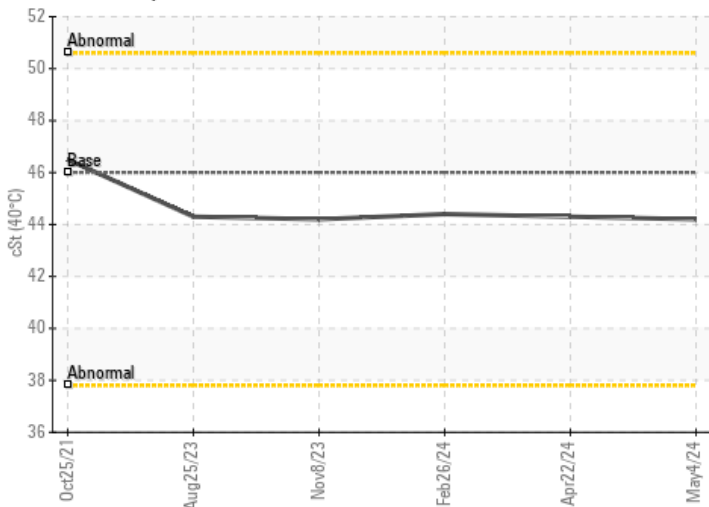
Ferrous Alloys



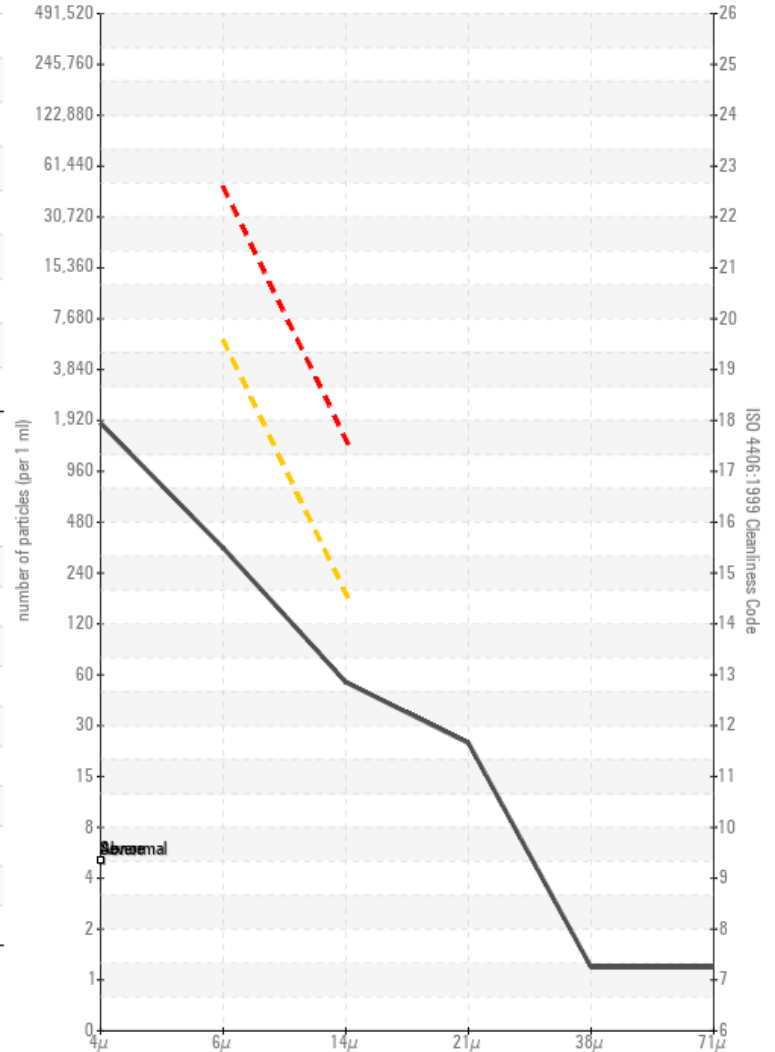
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

