



CONSTRUCTION EQUIPMENT

VOLVO A25G 752532 - HYDRAULIC SYSTEM



Sample No: VCP441203
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP441203	VCP442802	VCP397658	VCP395086
Sample Date	06 May 2024	31 Jan 2024	08 Nov 2023	20 Sep 2023
Machine Hours	5026	4231	3276	3028
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	N/A
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.3	41.7	42.9	44.5
Acid Number (AN)	mg KOH/g	0.30	0.26	0.25	0.37

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		26392	---	1542	113995
Particles >6µm		1446	---	374	32998
Particles >14µm		43	---	20	195
ISO 4406:1999 (c)		22/18/13	---	18/16/11	24/22/15
Silicon	ppm	<1	0	<1	4
Sodium	ppm	0	0	0	0
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	2	0	0	4
Copper	ppm	2	<1	<1	4
Lead	ppm	<1	<1	0	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	0	0	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	72	62	45	113
Magnesium	ppm	2	1	0	4
Zinc	ppm	413	392	398	512
Phosphorus	ppm	345	299	298	389
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO0090
Unique No: 11017151
Signed: Wes Davis
Report Date: 08 May 2024

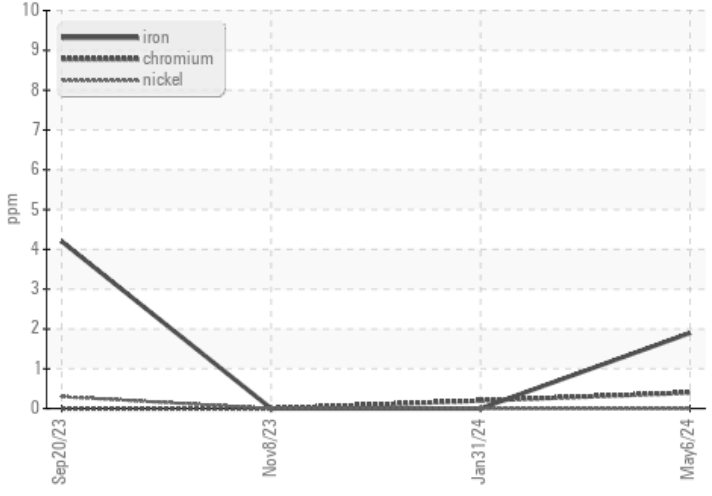


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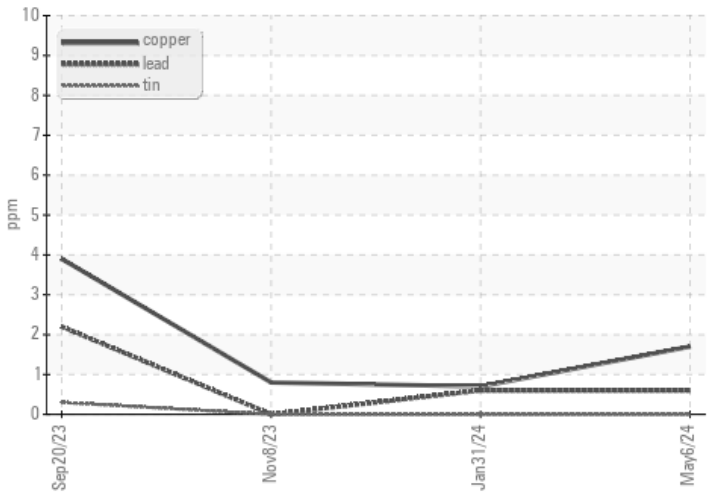


GRAPHS

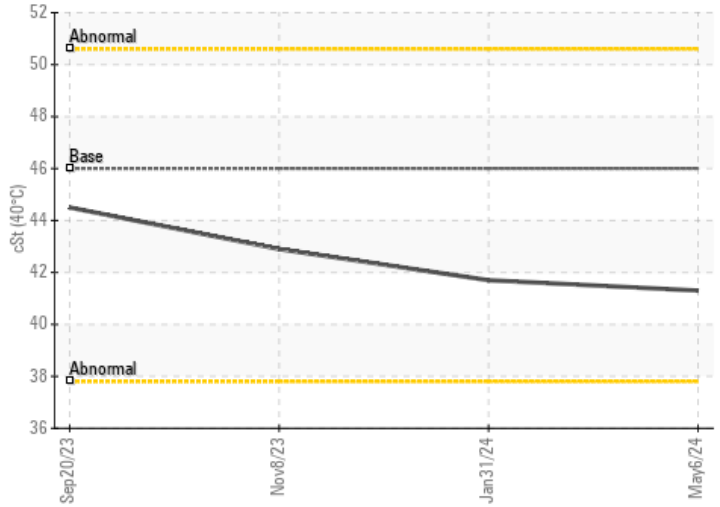
Ferrous Alloys



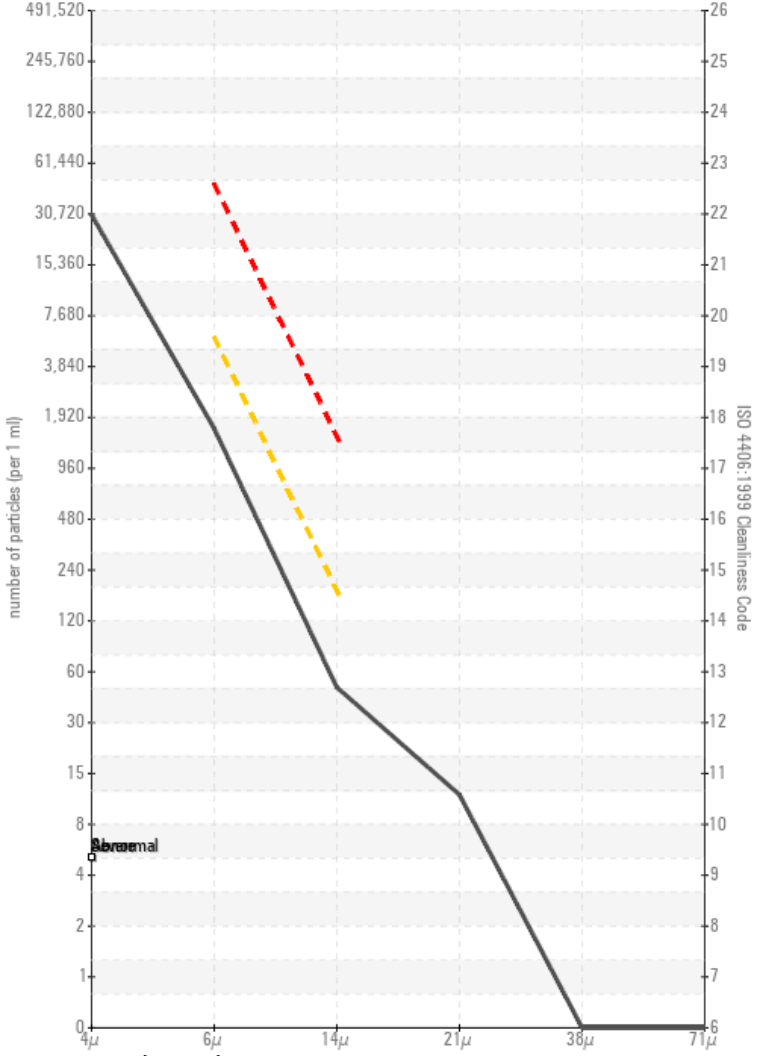
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

