



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - HYDRAULIC SYSTEM



Sample No: VCP445628
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP445628	VCP437589	VCP434383	VCP412162
Sample Date	22 Apr 2024	26 Feb 2024	08 Nov 2023	25 Aug 2023
Machine Hours	6403	6109	5775	5525
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	44.3	44.4	44.2	44.3
Acid Number (AN)	mg KOH/g	0.45	0.39	0.36	0.37

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		10656	5475	5687	11469
Particles >6µm		3332	933	1290	3236
Particles >14µm		255	110	107	175
ISO 4406:1999 (c)		21/19/15	20/17/14	20/17/14	21/19/15
Silicon	ppm	4	7	7	8
Sodium	ppm	2	3	1	0
Potassium	ppm	0	0	1	1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	15	14	14	14
Copper	ppm	8	8	7	8
Lead	ppm	2	2	3	4
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	1	0
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	82	83	72	76
Magnesium	ppm	4	2	5	4
Zinc	ppm	411	408	413	423
Phosphorus	ppm	331	322	337	332
Barium	ppm	0	0	0	2
Boron	ppm	0	0	0	0

Depot: VOLVO0090
Unique No: 11005002
Signed: Wes Davis
Report Date: 01 May 2024

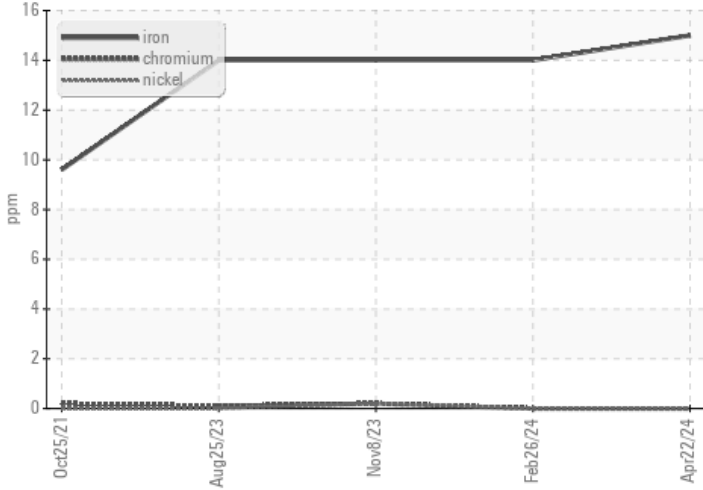


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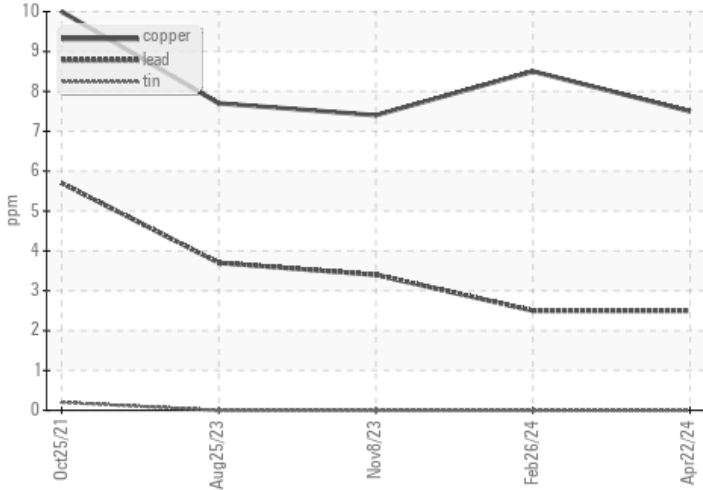


VOLVO GRAPHS

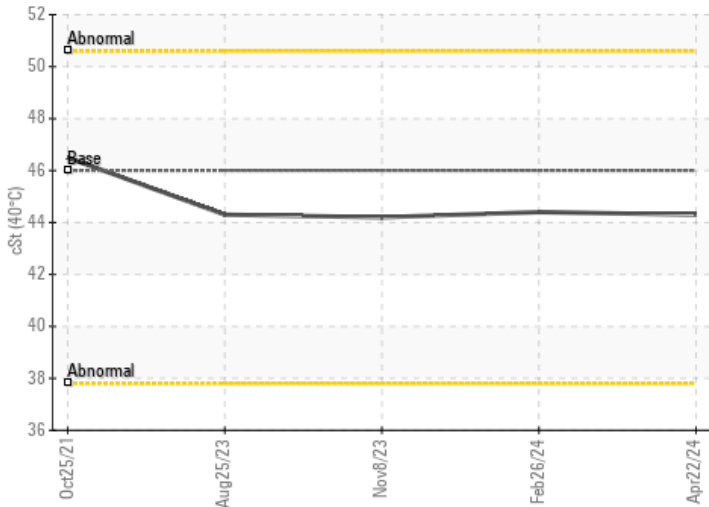
Ferrous Alloys



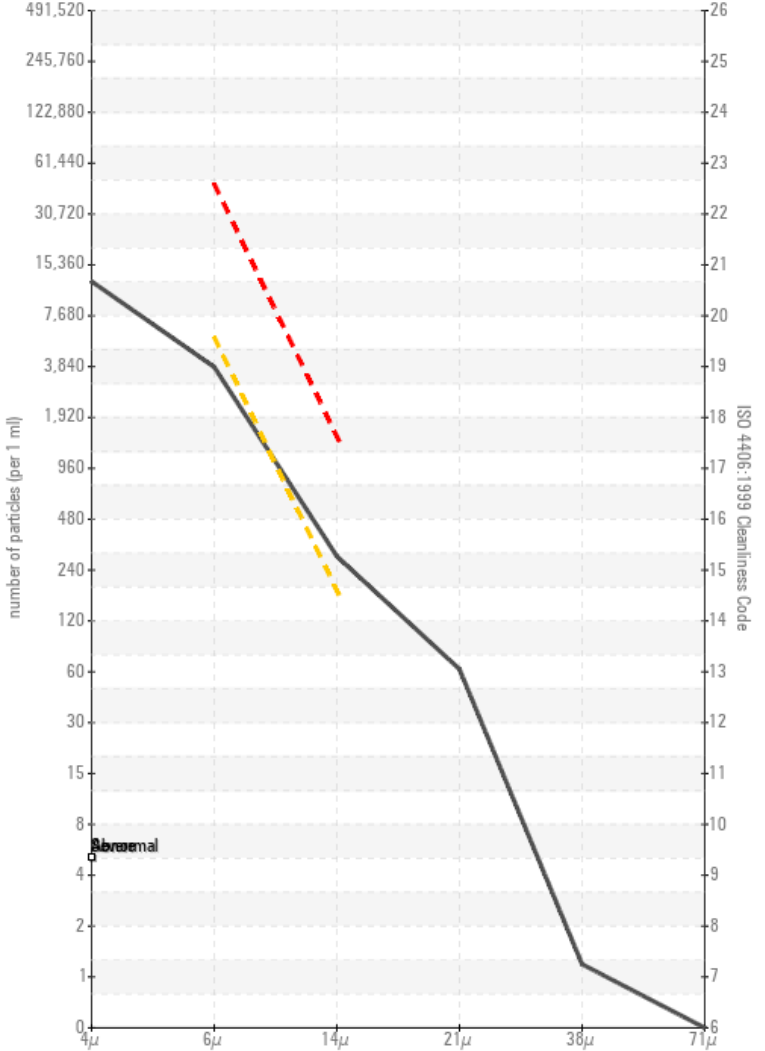
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

