



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - HYDRAULIC SYSTEM



Sample No: VCP441000
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP441000	VCP398428	VCP445628	VCP437589
Sample Date	28 Jun 2024	04 May 2024	22 Apr 2024	26 Feb 2024
Machine Hours	6651	6452	6403	6109
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.1	44.2	44.3	44.4
Acid Number (AN)	mg KOH/g	0.41	0.43	0.45	0.39



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5686	1619	10656	5475
Particles >6µm		1561	297	3332	933
Particles >14µm		61	48	255	110
ISO 4406:1999 (c)		20/18/13	18/15/13	21/19/15	20/17/14
Silicon	ppm	7	7	4	7
Sodium	ppm	3	0	2	3
Potassium	ppm	0	1	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	18	17	15	14
Copper	ppm	8	9	8	8
Lead	ppm	2	4	2	2
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	2	0	0
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	<1	2	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	82	86	82	83
Magnesium	ppm	5	6	4	2
Zinc	ppm	405	427	411	408
Phosphorus	ppm	324	363	331	322
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	0	0

Depot: VOLVO0090
Unique No: 11113596
Signed: Wes Davis
Report Date: 09 Jul 2024

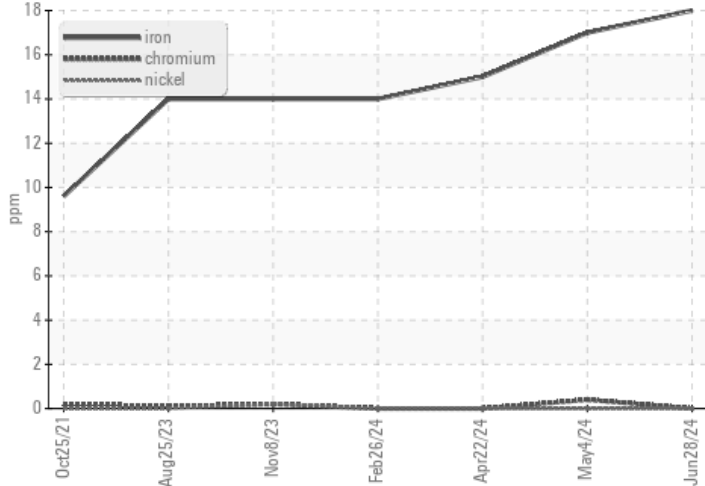


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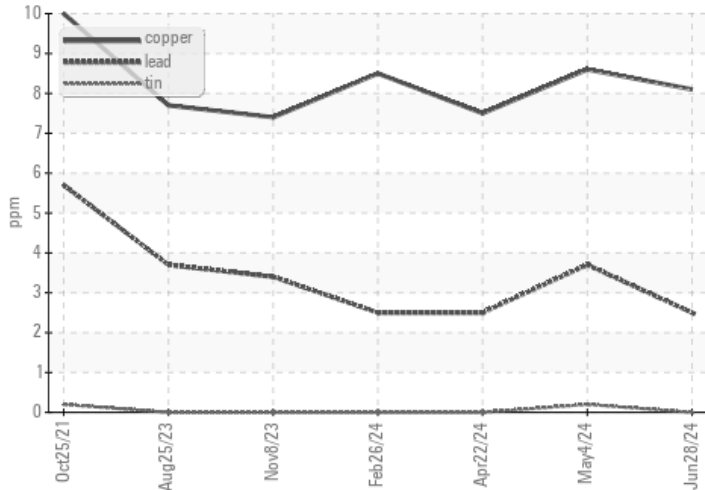


VOLVO GRAPHS

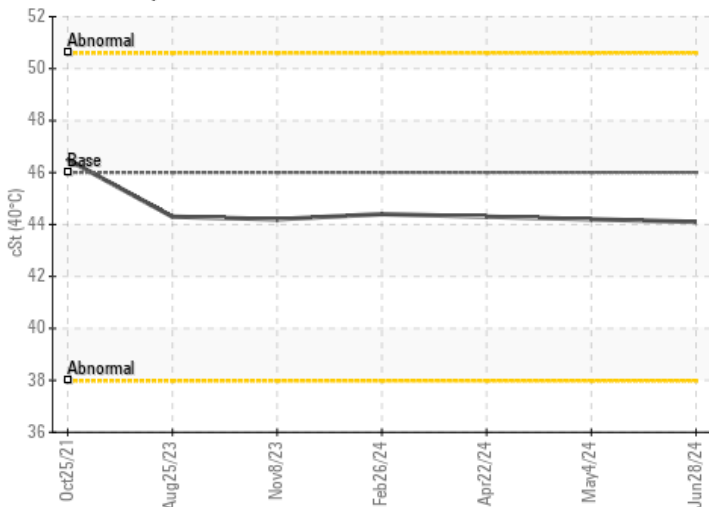
Ferrous Alloys



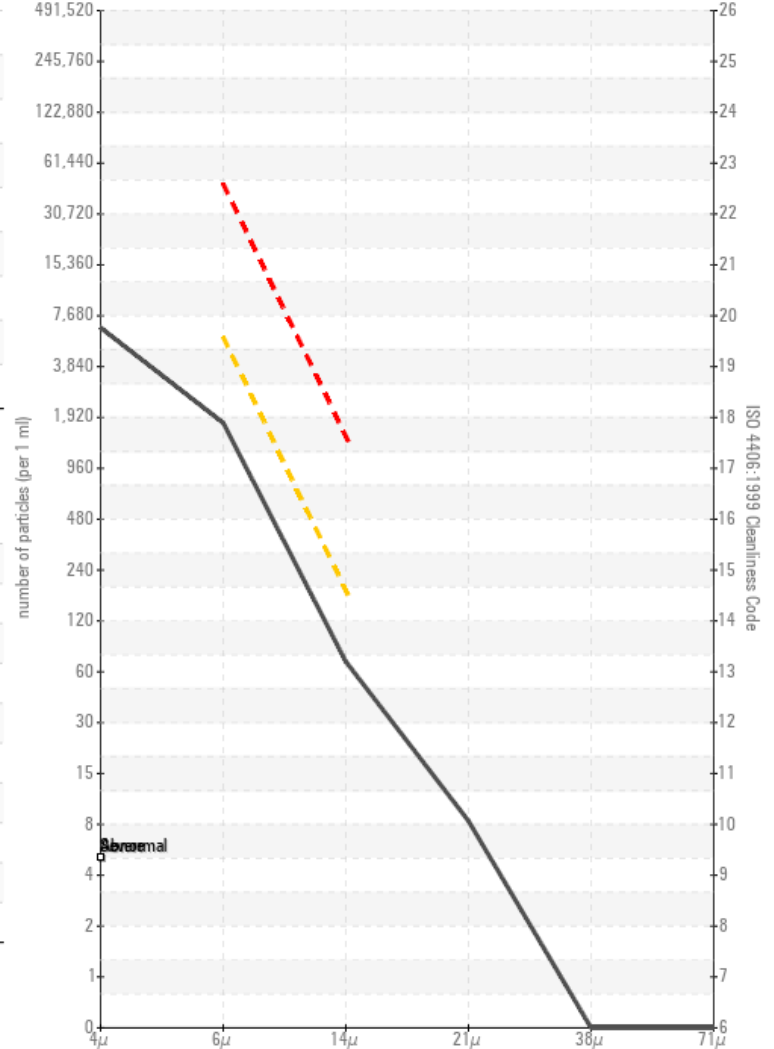
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

