



CONSTRUCTION EQUIPMENT

VOLVO A25G 740250 - HYDRAULIC SYSTEM



Sample No: VCP437589
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP437589	VCP434383	VCP412162	VCP344741
Sample Date	26 Feb 2024	08 Nov 2023	25 Aug 2023	25 Oct 2021
Machine Hours	6109	5775	5525	3871
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.4	44.2	44.3	46.5
Acid Number (AN)	mg KOH/g	0.39	0.36	0.37	0.521

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5475	5687	11469	3016
Particles >6µm		933	1290	3236	671
Particles >14µm		110	107	175	38
ISO 4406:1999 (c)		20/17/14	20/17/14	21/19/15	19/17/12
Silicon	ppm	7	7	8	6
Sodium	ppm	3	1	0	2
Potassium	ppm	0	1	1	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	14	14	14	10
Copper	ppm	8	7	8	10
Lead	ppm	2	3	4	6
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	1	0	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	1	1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	83	72	76	65
Magnesium	ppm	2	5	4	<1
Zinc	ppm	408	413	423	453
Phosphorus	ppm	322	337	332	364
Barium	ppm	0	0	2	0
Boron	ppm	0	0	0	<1

Depot: VOLVO0090
Unique No: 10903363
Signed: Wes Davis
Report Date: 01 Mar 2024

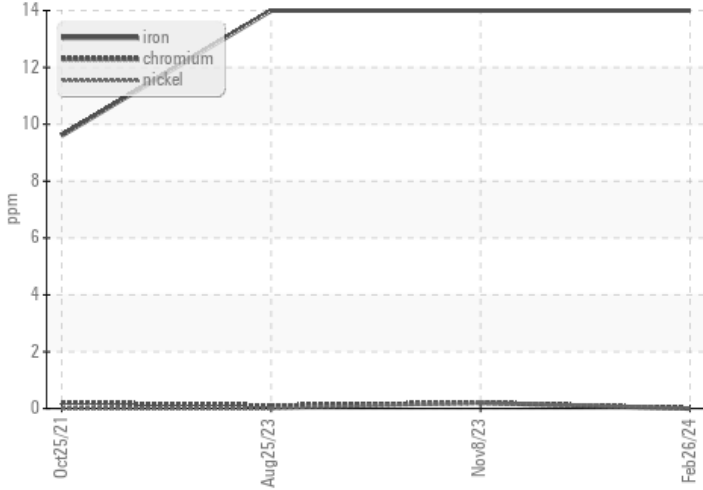


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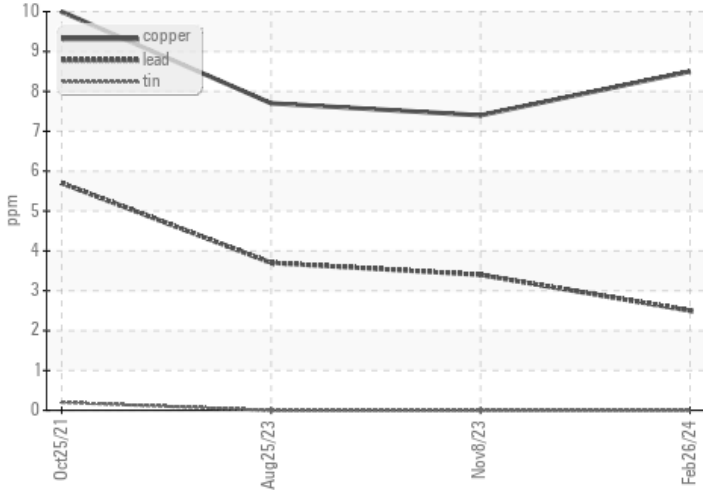


VOLVO GRAPHS

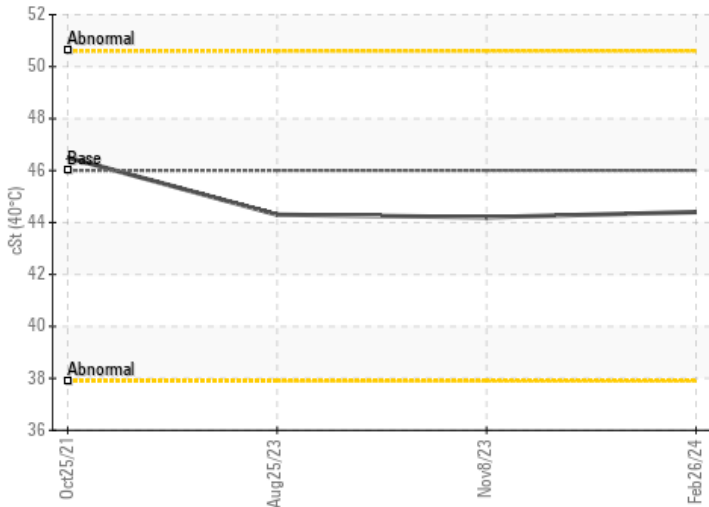
Ferrous Alloys



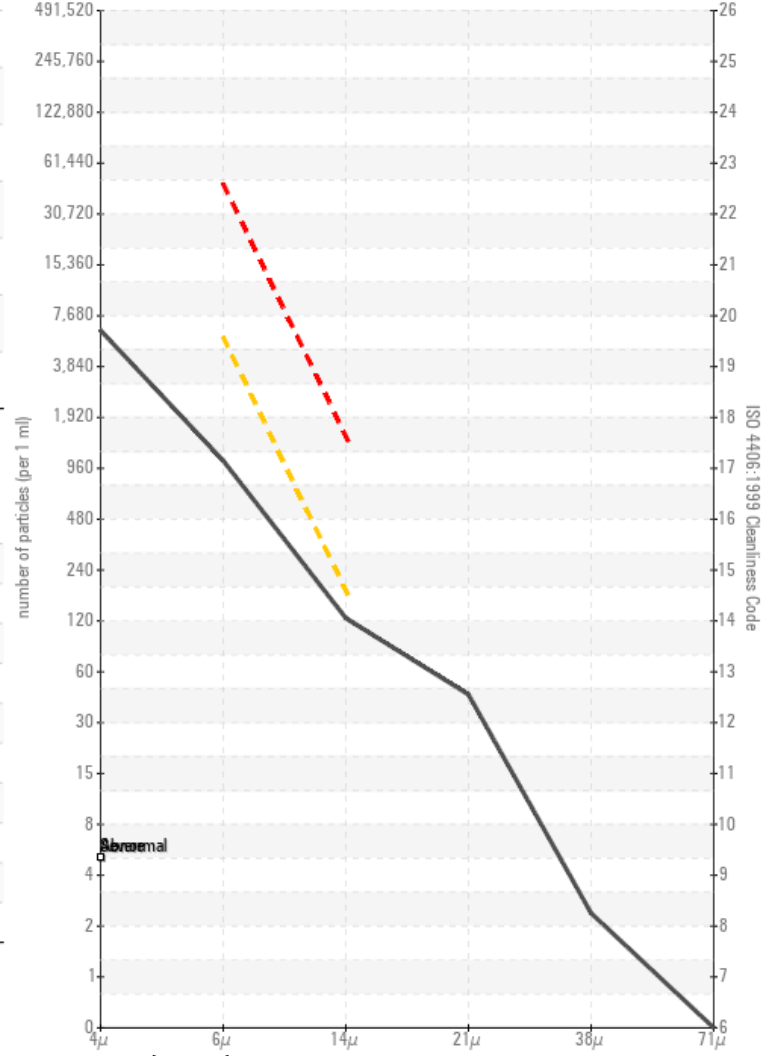
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

