



CONSTRUCTION EQUIPMENT

VOLVO A25G 752045 - HYDRAULIC SYSTEM



Sample No: VCP447763
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP447763	VCP387146	VCP321395	---
Sample Date	21 May 2024	15 Sep 2023	25 Aug 2021	---
Machine Hours	4514	3862	1613	---
Oil Hours	0	0	1613	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	45.4	46.0	47.6	---
Acid Number (AN)	mg KOH/g	0.47	0.39	0.443	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1196	---	3275	---
Particles >6µm		309	---	714	---
Particles >14µm		16	---	31	---
ISO 4406:1999 (c)		17/15/11	---	19/17/12	---
Silicon	ppm	6	3	<1	---
Sodium	ppm	2	3	2	---
Potassium	ppm	2	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	10	9	4	---
Copper	ppm	7	7	5	---
Lead	ppm	4	3	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	3	0	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	70	67	56	---
Magnesium	ppm	2	4	<1	---
Zinc	ppm	441	440	440	---
Phosphorus	ppm	357	339	345	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	6	---

Depot: VOLVO0090
Unique No: 11056030
Signed: Wes Davis
Report Date: 30 May 2024

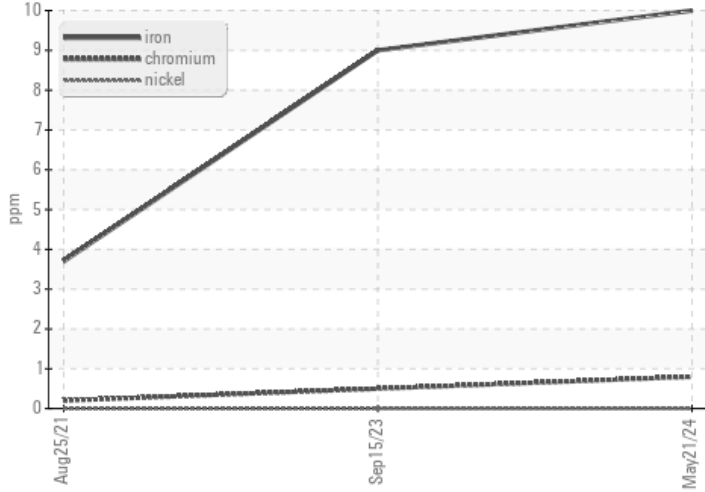


CONSTRUCTION EQUIPMENT

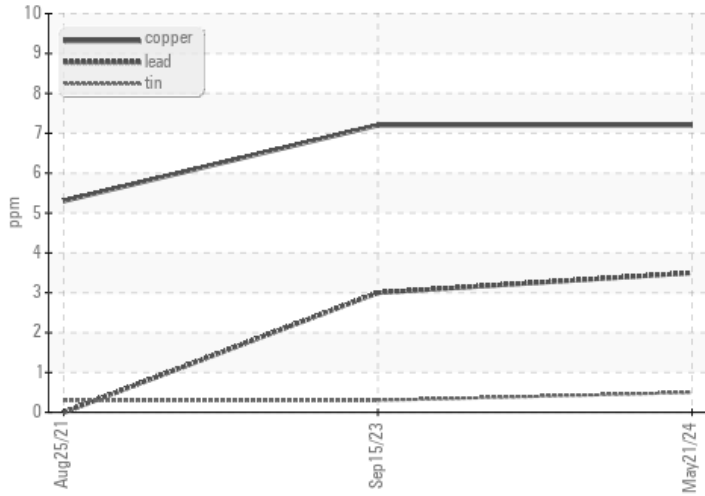


GRAPHS

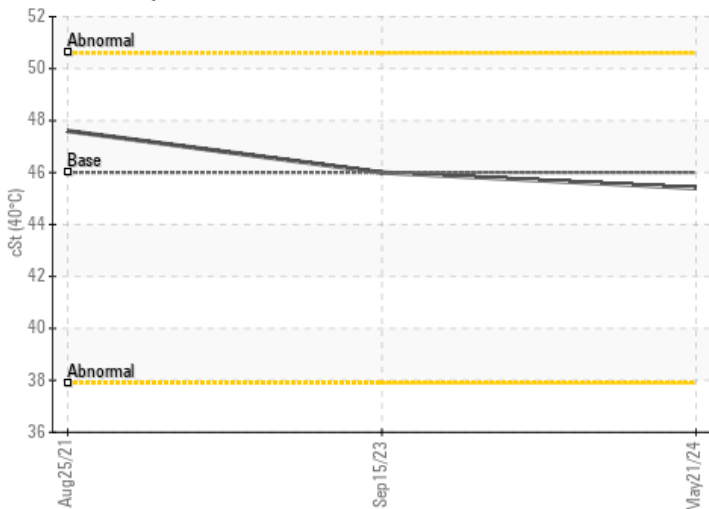
Ferrous Alloys



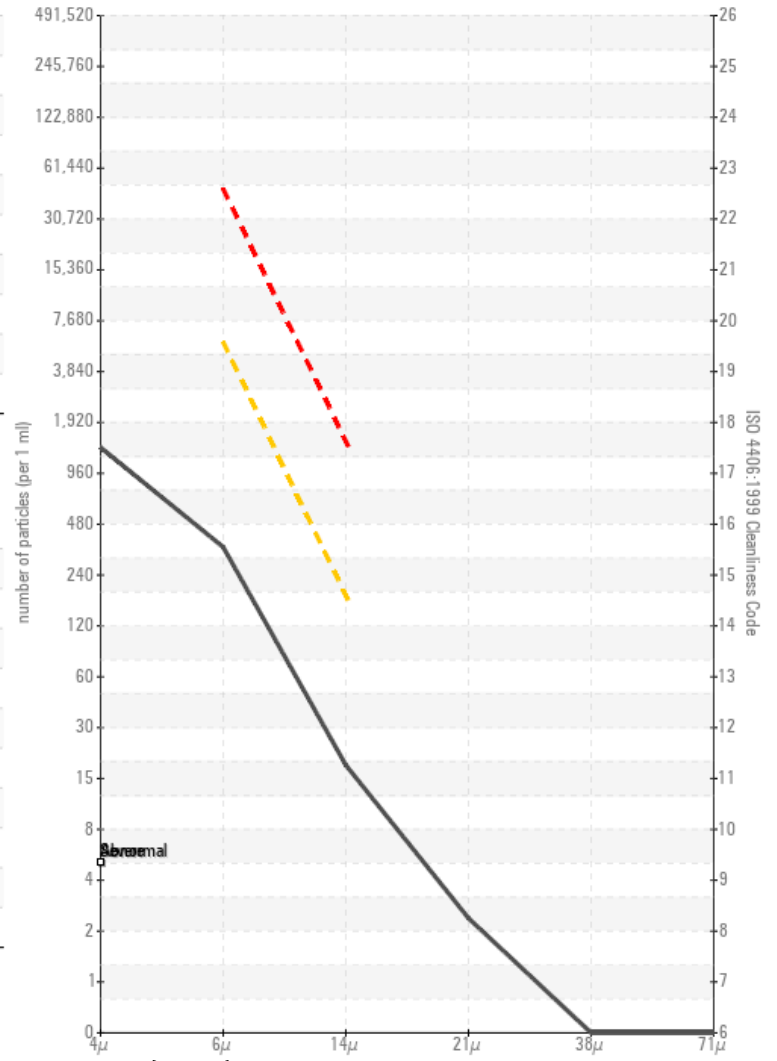
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

