



CONSTRUCTION EQUIPMENT

VOLVO A25G 752074 - HYDRAULIC SYSTEM



Sample No: VCP434814
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP434814	VCP399488	VCP362886	---
Sample Date	28 Nov 2023	01 Mar 2023	13 May 2022	---
Machine Hours	4301	3204	2145	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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 F:



OIL CONDITION

Visc @ 40°C	cSt	47.8	48.0	46.7	---
Acid Number (AN)	mg KOH/g	0.37	0.34	0.51	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1860	4844	18681	---
Particles >6µm		521	1175	5246	---
Particles >14µm		52	32	539	---
ISO 4406:1999 (c)		18/16/13	19/17/12	21/20/16	---
Silicon	ppm	5	3	2	---
Sodium	ppm	0	2	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	13	8	7	---
Copper	ppm	6	5	6	---
Lead	ppm	4	2	2	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	2	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	1	<1	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	335	295	61	---
Magnesium	ppm	6	4	<1	---
Zinc	ppm	503	442	459	---
Phosphorus	ppm	340	333	381	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	0	2	---

Depot: JRDKIS
Unique No: 10764992
Signed: Wes Davis
Report Date: 30 Nov 2023

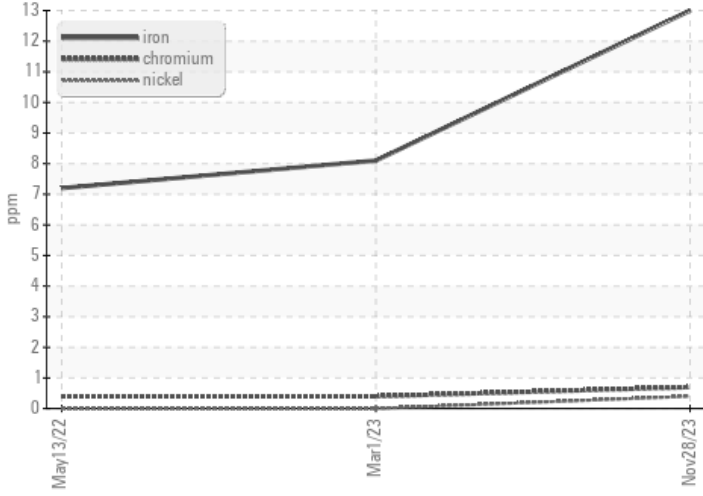


CONSTRUCTION EQUIPMENT

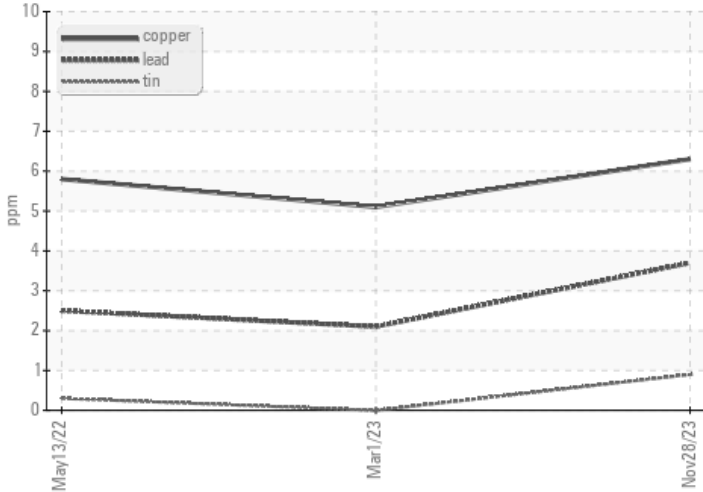


VOLVO GRAPHS

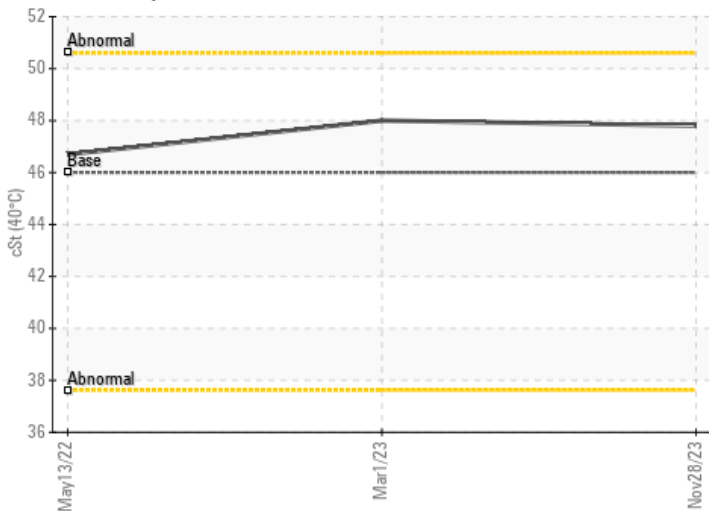
Ferrous Alloys



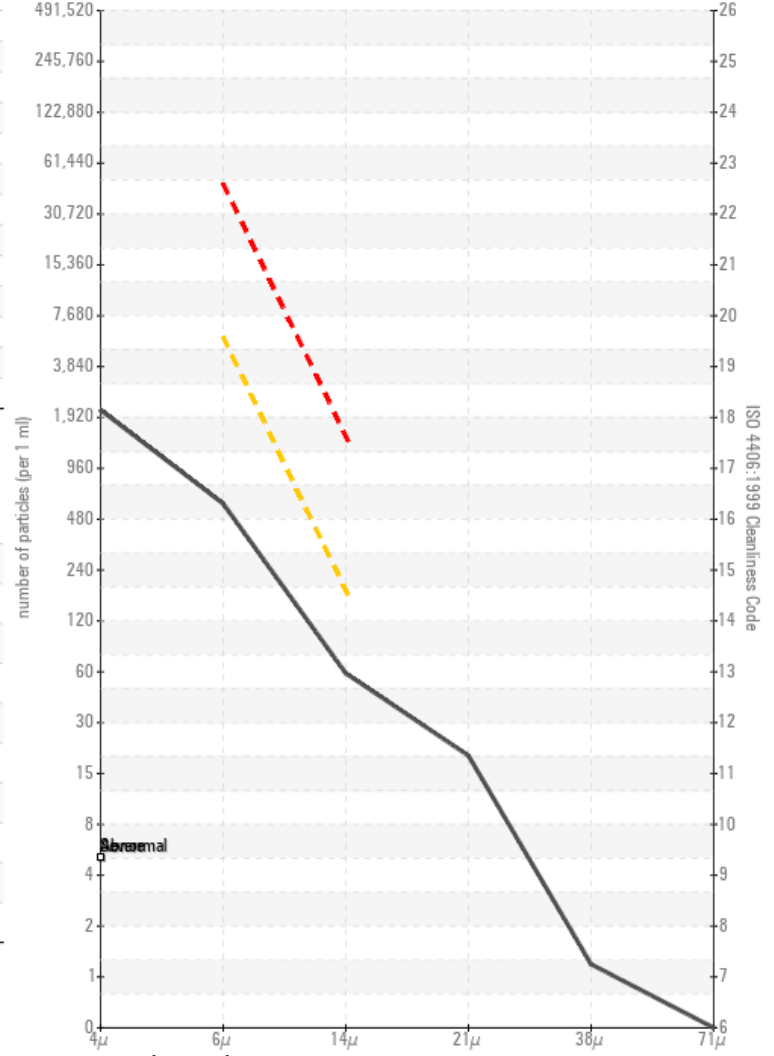
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

