



CONSTRUCTION EQUIPMENT

VOLVO A25G 752598 - HYDRAULIC SYSTEM



Sample No: VCP433749
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP433749	VCP418884	---	---
Sample Date	06 Nov 2023	26 May 2023	---	---
Machine Hours	1489	528	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
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OIL CONDITION

Visc @ 40°C	cSt	44.2	42.5	---	---
Acid Number (AN)	mg KOH/g	0.54	0.49	---	---

CONTAMINATION

Particles >4µm		41957	---	---	---
Particles >6µm		15190	---	---	---
Particles >14µm		1298	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	2	1	---	---

Diagnosis
 We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	4	2	---	---
Copper	ppm	3	2	---	---
Lead	ppm	2	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	3	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	103	75	---	---
Magnesium	ppm	2	1	---	---
Zinc	ppm	456	448	---	---
Phosphorus	ppm	345	341	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 10737251
Signed: Wes Davis
Report Date: 10 Nov 2023

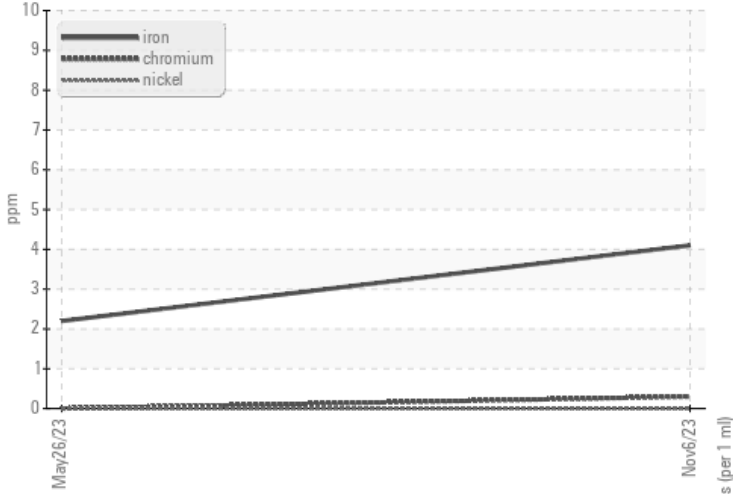


CONSTRUCTION EQUIPMENT

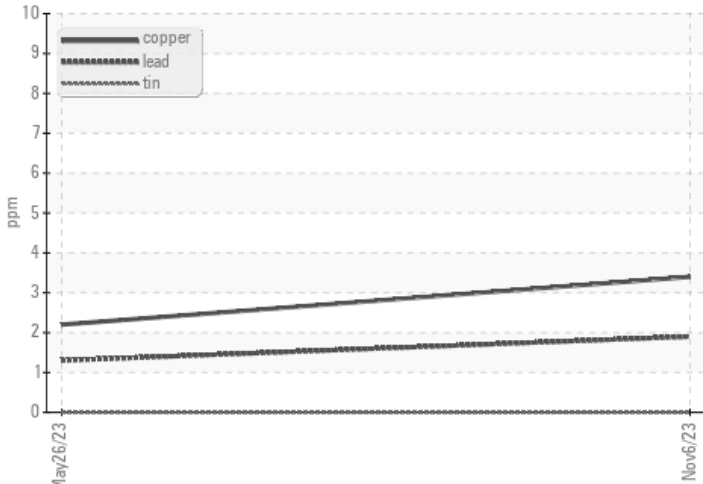


GRAPHS

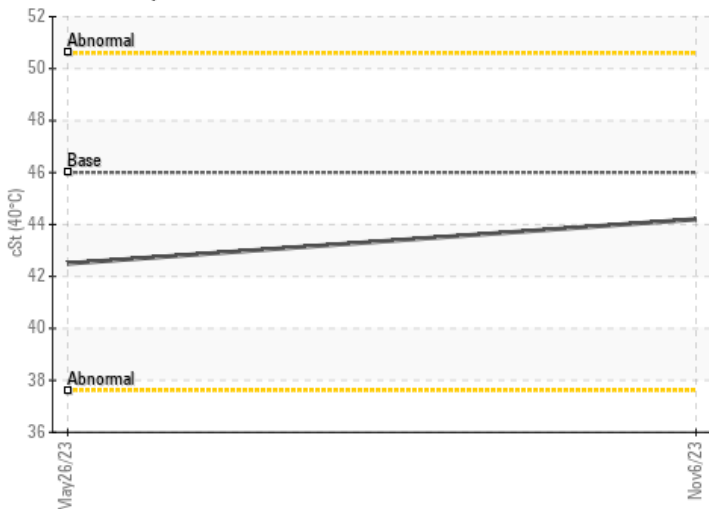
Ferrous Alloys



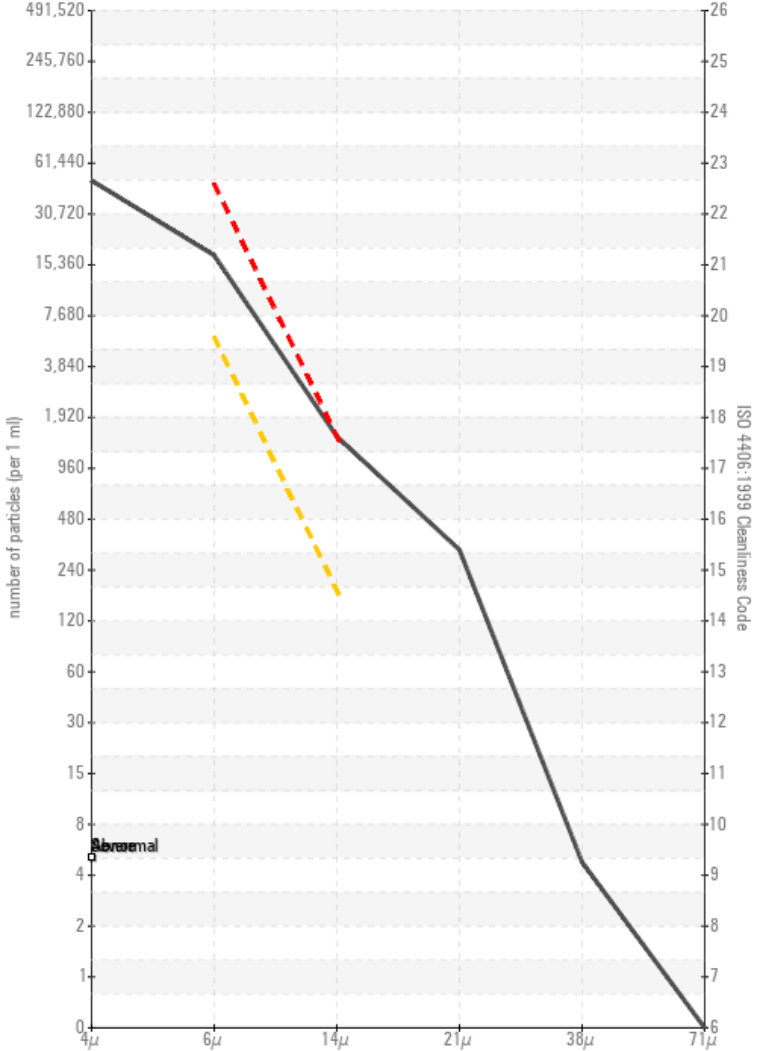
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

