



CONSTRUCTION EQUIPMENT

VOLVO A25G 752045 - HYDRAULIC SYSTEM



Sample No: VCP387146
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP387146	VCP321395	---	---
Sample Date	15 Sep 2023	25 Aug 2021	---	---
Machine Hours	3862	1613	---	---
Oil Hours	0	1613	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

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



CONTAMINATION

Particles >4µm	---	3275	---	---	
Particles >6µm	---	714	---	---	
Particles >14µm	---	31	---	---	
ISO 4406:1999 (c)	---	19/17/12	---	---	
Silicon	ppm	3	<1	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	0	0	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	9	4	---	---
Copper	ppm	7	5	---	---
Lead	ppm	3	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

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

Depot: VOLVO0090
Unique No: 10657634
Signed: Jonathan Hester
Report Date: 22 Sep 2023

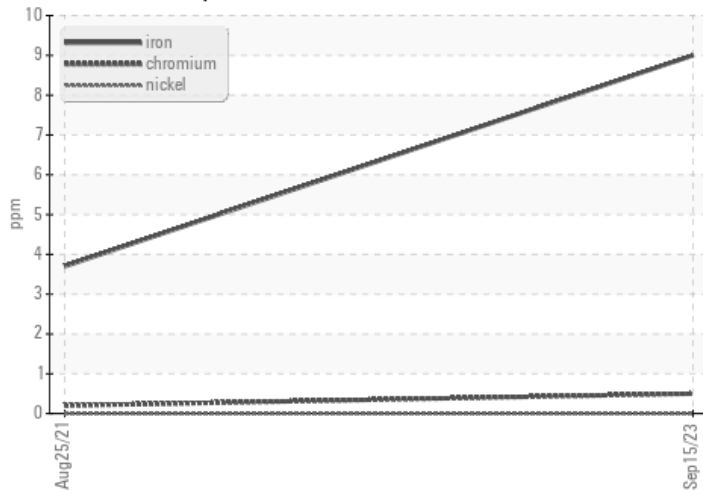


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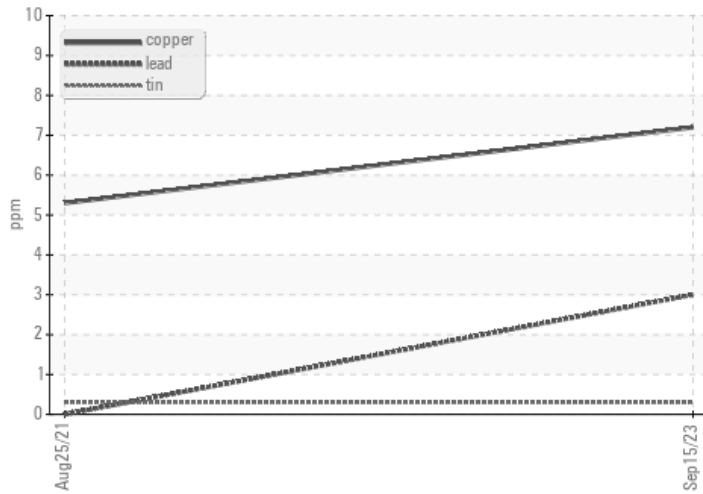


GRAPHS

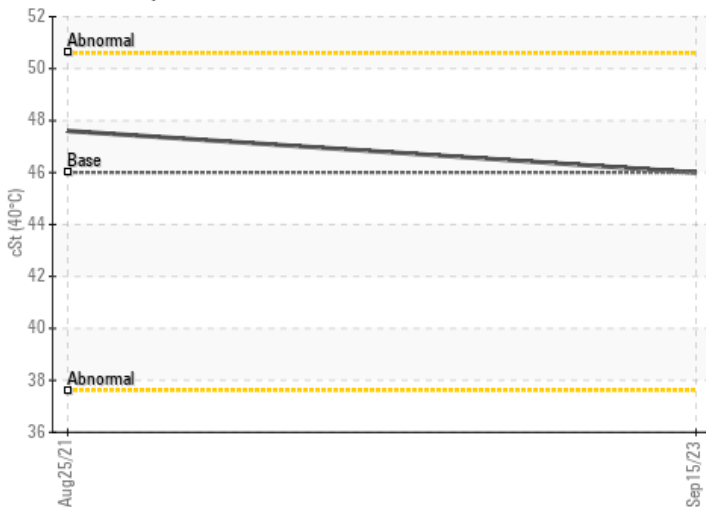
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

