



CONSTRUCTION EQUIPMENT

VOLVO EC250 316049 - HYDRAULIC SYSTEM



Sample No: VCP436601
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP436601	VCP402846	---	---
Sample Date	21 Dec 2023	31 Aug 2023	---	---
Machine Hours	3839	3279	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
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OIL CONDITION

Visc @ 40°C	cSt	46.7	46.7	---	---
Acid Number (AN)	mg KOH/g	0.33	0.33	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	1528	---	---
Particles >6µm		---	218	---	---
Particles >14µm		---	23	---	---
ISO 4406:1999 (c)		---	18/15/12	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	2	---	---

Diagnosis

We recommend you service the filters on this component. 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. High 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	7	3	---	---
Copper	ppm	17	14	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

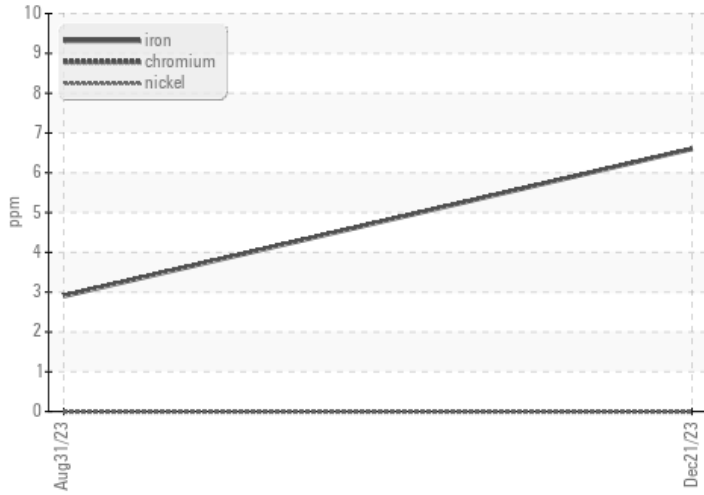
Calcium	ppm	75	76	---	---
Magnesium	ppm	0	3	---	---
Zinc	ppm	442	472	---	---
Phosphorus	ppm	347	362	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 10806702
Signed: Don Baldrige
Report Date: 28 Dec 2023

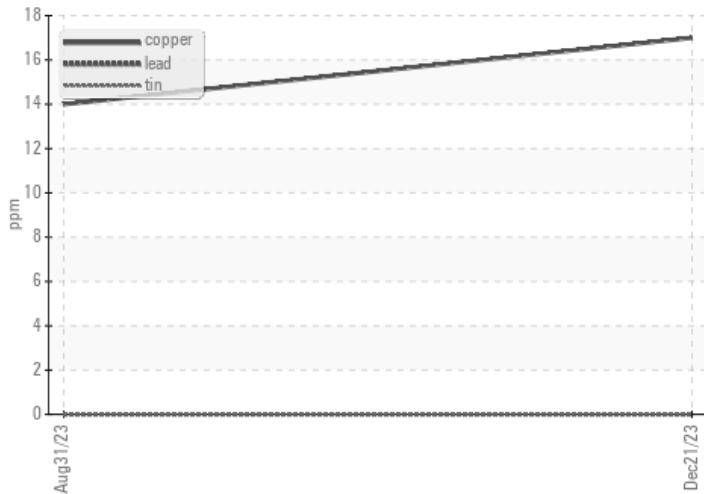


GRAPHS

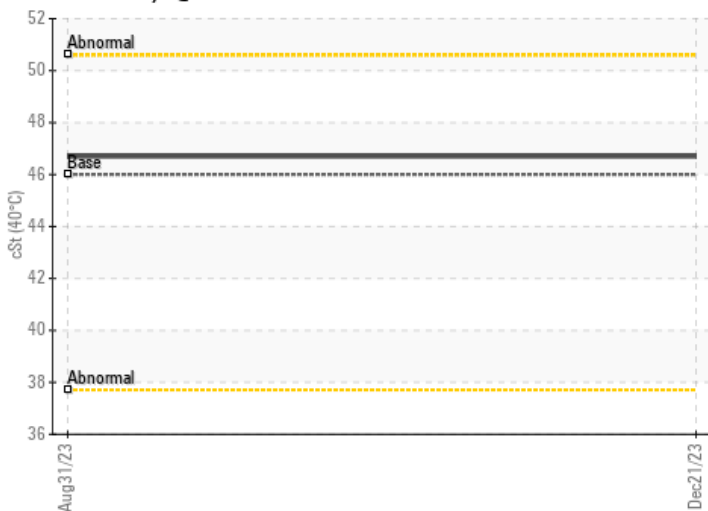
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

