



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 315166 - HYDRAULIC SYSTEM



Sample No: VCP449251
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP449251	VCP415844	---	---
Sample Date	22 Dec 2023	21 Sep 2023	---	---
Machine Hours	1242	2223	---	---
Oil Hours	0	2223	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	41.3	41.6	---	---
Acid Number (AN)	mg KOH/g	0.59	0.59	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	3	11	---	---
Copper	ppm	25	31	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	221	239	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	582	575	---	---
Phosphorus	ppm	453	419	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Diagnosis

No corrective action is recommended at this time. The 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.

Depot: VOLVO0090
Unique No: 10806701
Signed: Don Baldrige
Report Date: 28 Dec 2023

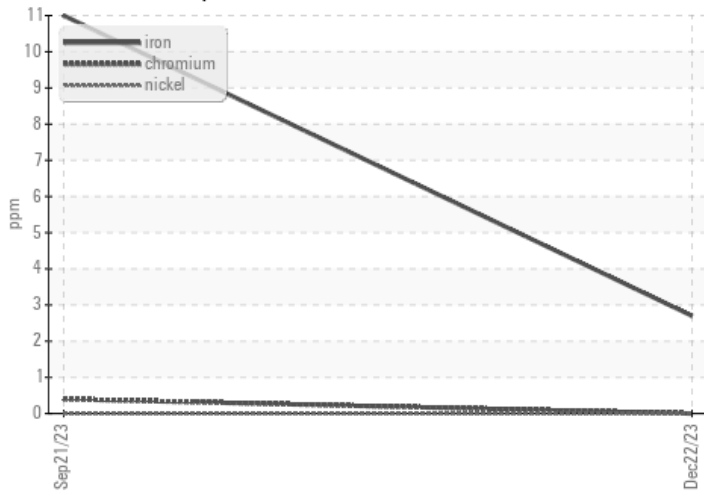


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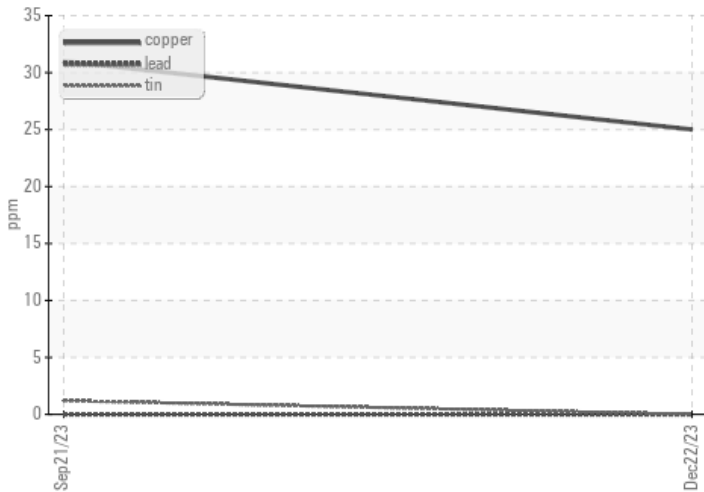


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

