



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 3 15 150 - HYDRAULIC SYSTEM



Sample No: VCP436660
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP436660	VCP421053	VCP418611	---
Sample Date	09 Apr 2024	07 Dec 2023	11 Aug 2023	---
Machine Hours	1876	1188	640	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	N/A	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	41.6	41.6	45.5	---
Acid Number (AN)	mg KOH/g	0.56	0.59	0.50	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		---	6426	23651	---
Particles >6µm		---	1094	4872	---
Particles >14µm		---	185	239	---
ISO 4406:1999 (c)		---	20/17/15	22/19/15	---
Silicon	ppm	7	6	6	---
Sodium	ppm	0	2	0	---
Potassium	ppm	0	0	<1	---

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. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	<1	0	2	---
Copper	ppm	23	14	8	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	0	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	116	83	94	---
Magnesium	ppm	13	0	<1	---
Zinc	ppm	524	515	531	---
Phosphorus	ppm	418	393	399	---
Barium	ppm	0	0	1	---
Boron	ppm	0	0	0	---

Depot: VOLVO0090
Unique No: 10978673
Signed: Don Baldrige
Report Date: 17 Apr 2024

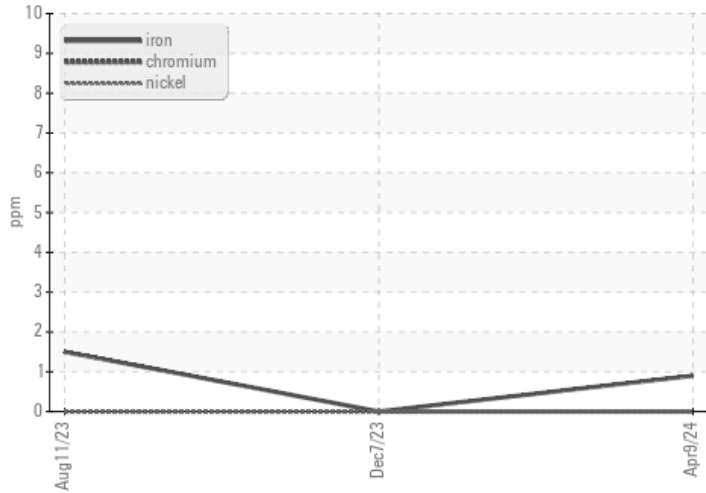


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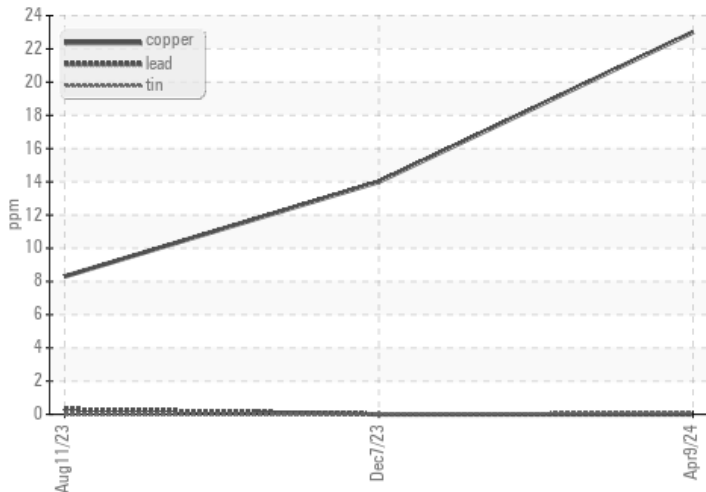


GRAPHS

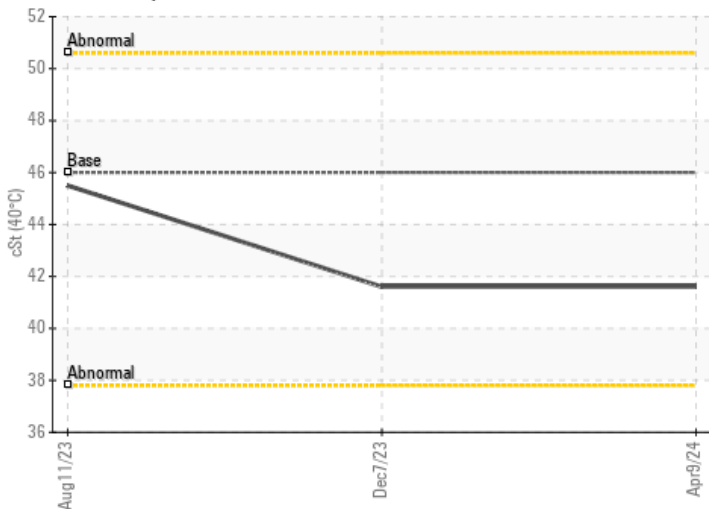
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

