



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 314185 - HYDRAULIC SYSTEM



Sample No: VCP0007519

Oil Type: AW HYDRAULIC OIL ISO 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007519	VCP0007480	VCP362450	---
Sample Date	11 Aug 2023	03 May 2023	31 Mar 2022	---
Machine Hours	2151	644	644	---
Oil Hours	2151	644	644	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

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OIL CONDITION

Visc @ 40°C	cSt	43.5	46.7	43.7	---
Acid Number (AN)	mg KOH/g	0.48	0.46	0.47	---



CONTAMINATION

Particles >4µm		---	1605	5919	---
Particles >6µm		---	436	1045	---
Particles >14µm		---	30	58	---
ISO 4406:1999 (c)		---	18/16/12	20/17/13	---
Silicon	ppm	5	2	3	---
Sodium	ppm	0	0	0	---
Potassium	ppm	<1	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 suitable for further service.



WEAR METALS

Iron	ppm	4	0	0	---
Copper	ppm	31	0	22	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	90	214	70	---
Magnesium	ppm	5	0	0	---
Zinc	ppm	465	489	516	---
Phosphorus	ppm	366	390	392	---
Barium	ppm	1	0	0	---
Boron	ppm	0	3	<1	---

Depot: VOLVO0092
Unique No: 10605990
Signed: Don Baldrige
Report Date: 17 Aug 2023

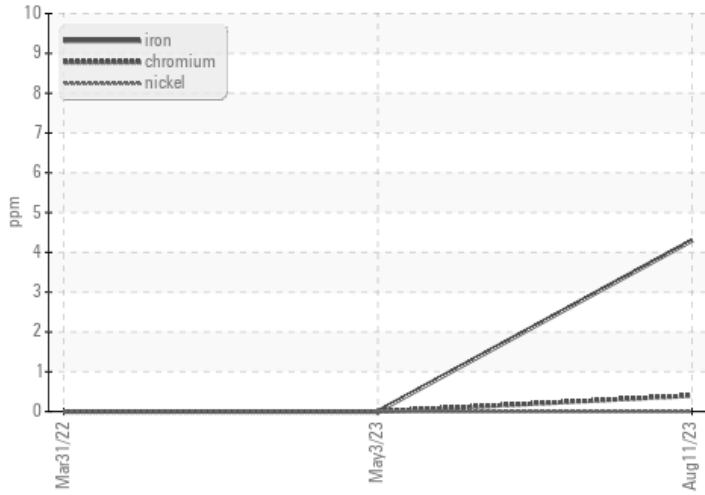


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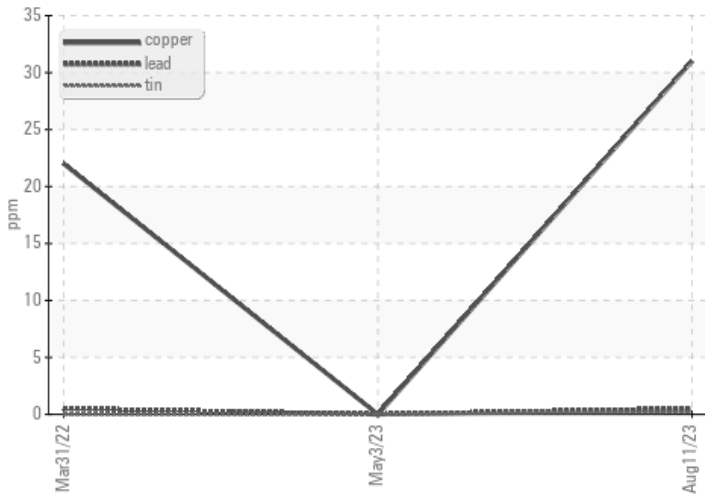


VOLVO GRAPHS

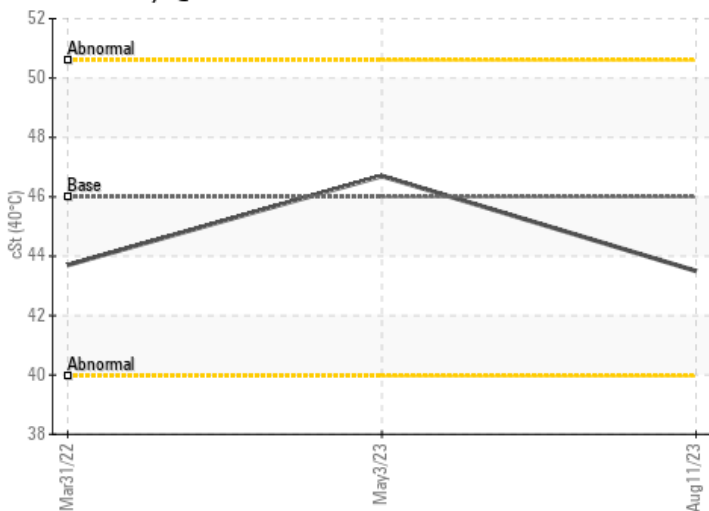
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

