



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 314575 - HYDRAULIC SYSTEM



Sample No: VCP439466
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP439466	VCP424486	---	---
Sample Date	10 Jan 2024	30 Sep 2023	---	---
Machine Hours	1057	586	---	---
Oil Hours	1057	586	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.1	42.1	---	---
Acid Number (AN)	mg KOH/g	0.55	0.50	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	2234	---	---
Particles >6µm		---	525	---	---
Particles >14µm		---	43	---	---
ISO 4406:1999 (c)		---	18/16/13	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	<1	1	---	---

Diagnosis
 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.



WEAR METALS

Iron	ppm	2	2	---	---
Copper	ppm	16	12	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	0	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	105	115	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	579	591	---	---
Phosphorus	ppm	441	429	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: CITMILCON
Unique No: 10833978
Signed: Jonathan Hester
Report Date: 19 Jan 2024

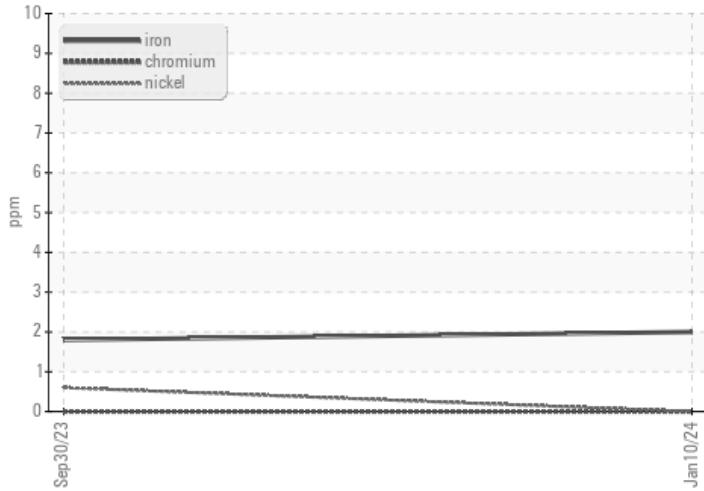


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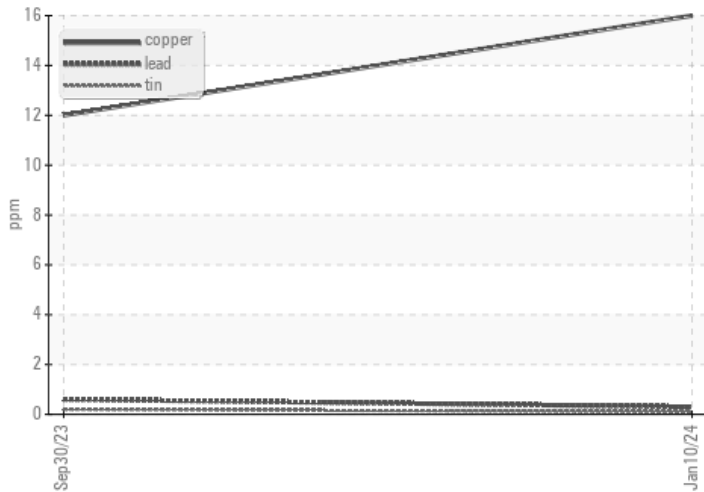


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

