



CONSTRUCTION EQUIPMENT

X47601 VOLVO EC350EL 314390 - HYDRAULIC SYSTEM



Sample No: VCP432828
Oil Type: VOLVO HYDRAULIC OIL ULTRA 46
Job No: X47601



SAMPLE INFORMATION

Sample Number	VCP432828	VCP379420	---	---
Sample Date	13 Sep 2023	06 Feb 2023	---	---
Machine Hours	2122	1154	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

SCOTT EQUIPMENT COMPANY LLC - Lake Charles
 PO BOX 16955
 LAKE CHARLES, LA
 US 70616
 Contact: TINA LEDOUX
 tledoux@scottcompanies.com
 T: (337)433-9811
 F: (318)433-6623



OIL CONDITION

Visc @ 40°C	cSt	41.7	41.7	---	---
Acid Number (AN)	mg KOH/g	0.48	0.55	---	---



CONTAMINATION

Particles >4µm		87965	2988	---	---
Particles >6µm		62006	458	---	---
Particles >14µm		17497	13	---	---
ISO 4406:1999 (c)		24/23/21	19/16/11	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	1	<1	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	23	21	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	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	47	71	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	428	507	---	---
Phosphorus	ppm	372	374	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO6244
Unique No: 10658785
Signed: Don Baldrige
Report Date: 22 Sep 2023

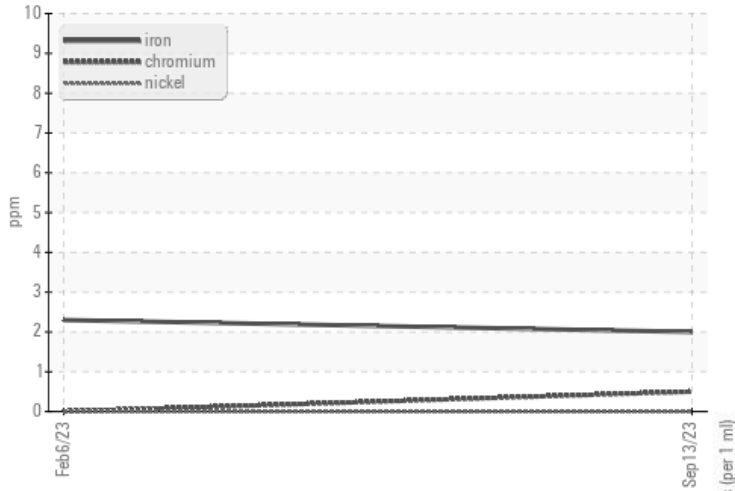


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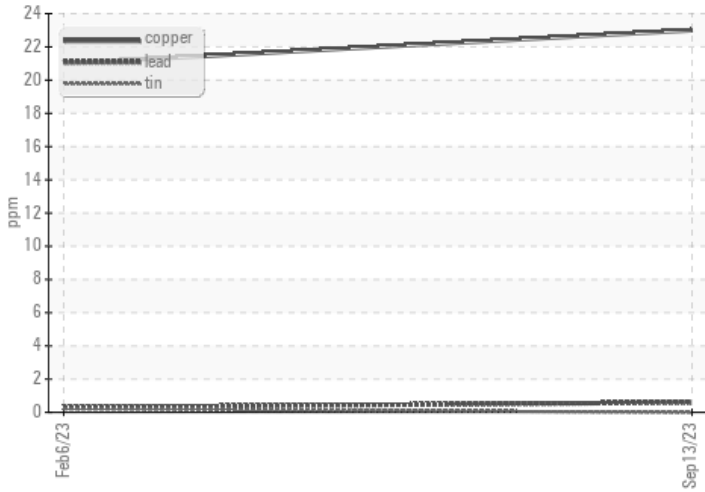


GRAPHS

Ferrous Alloys



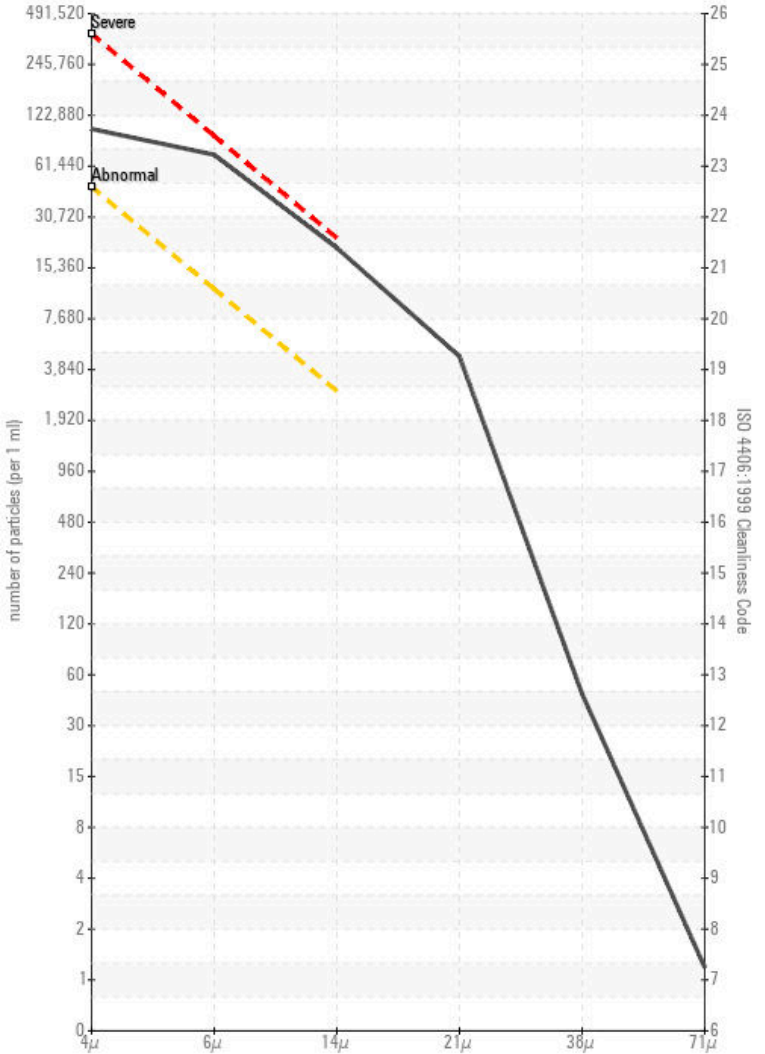
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

