



CONSTRUCTION EQUIPMENT

ACTION ENV VOLVO EC140B 11614 - HYDRAULIC SYSTEM



Sample No: VCP437879
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: ACTION ENV



SAMPLE INFORMATION

Sample Number	VCP437879	VCP330040	---	---
Sample Date	27 Feb 2024	28 Feb 2022	---	---
Machine Hours	49	4627	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	SEVERE	NORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	▲ 13.9	■ 42.8	---	---
Acid Number (AN)	mg KOH/g	■ 0.36	■ 0.52	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 124313	■ 18708	---	---
Particles >6µm		▲ 47201	■ 659	---	---
Particles >14µm		▲ 3861	■ 38	---	---
ISO 4406:1999 (c)		24/23/19	21/17/12	---	---
Silicon	ppm	■ 2	■ 4	---	---
Sodium	ppm	■ 1	■ 0	---	---
Potassium	ppm	■ 0	■ 0	---	---

Diagnosis

We advise that you check for the source of fuel entry. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 3	■ 8	---	---
Copper	ppm	■ 2	■ 6	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 0	■ <1	---	---
Chromium	ppm	■ <1	■ 1	---	---
Molybdenum	ppm	■ <1	■ 1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 52	■ 97	---	---
Magnesium	ppm	■ 1	■ 0	---	---
Zinc	ppm	■ 248	■ 339	---	---
Phosphorus	ppm	■ 212	■ 383	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ 1	---	---

Depot: VOLVO0093
Unique No: 10995714
Signed: Jonathan Hester
Report Date: 02 May 2024

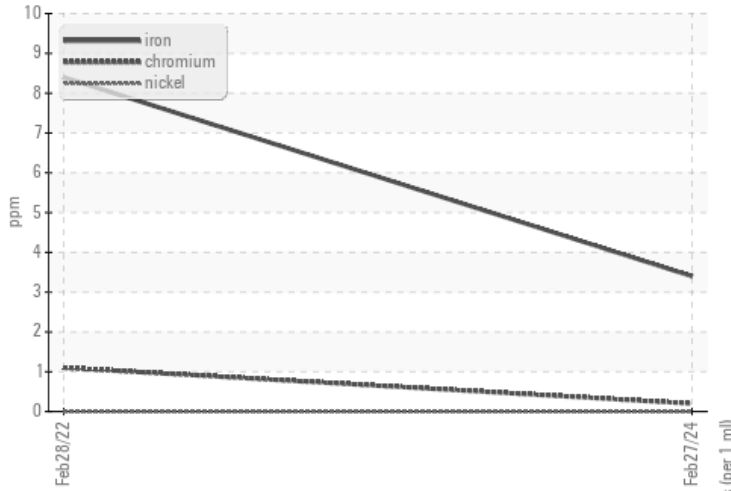


CONSTRUCTION EQUIPMENT

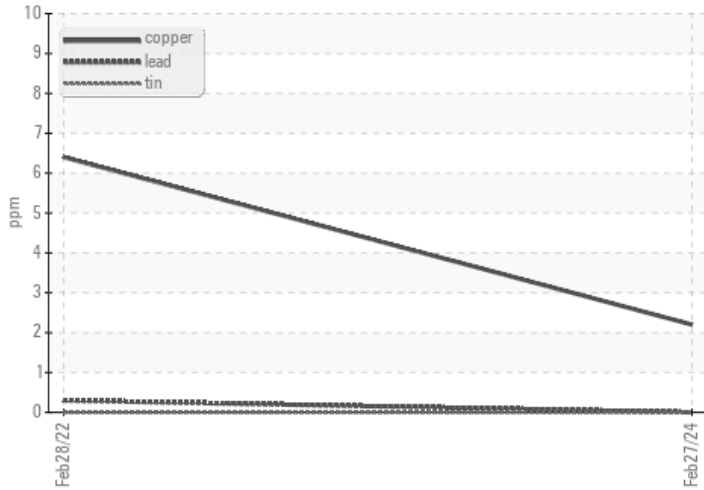


GRAPHS

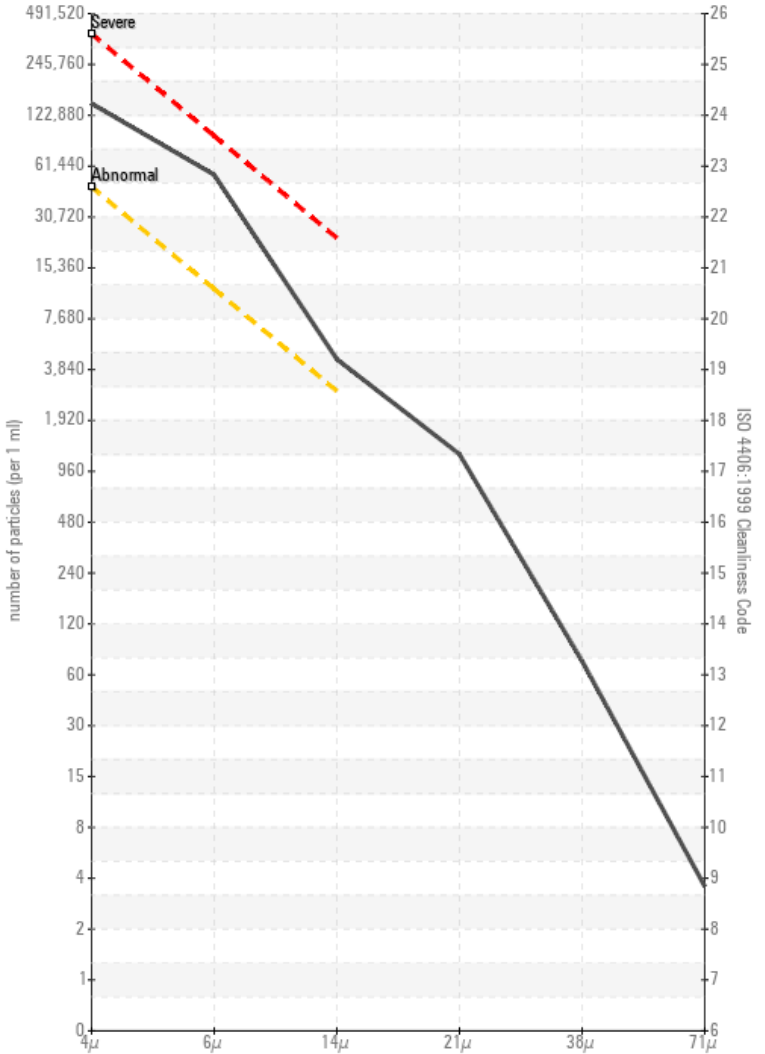
Ferrous Alloys



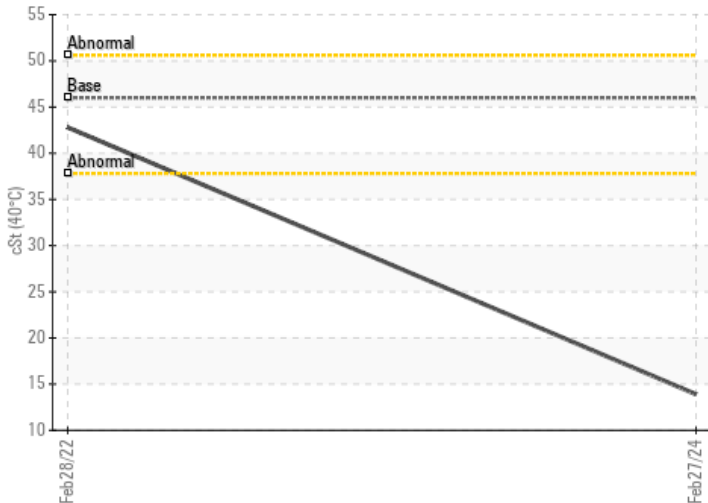
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

