



CONSTRUCTION EQUIPMENT

VOLVO ECR235E 3 14041 - HYDRAULIC SYSTEM



Sample No: VCP0007800
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007800	VCP332972	---	---
Sample Date	15 Apr 2024	02 May 2022	---	---
Machine Hours	1037	1037	---	---
Oil Hours	1037	500	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

Visc @ 40°C	cSt	38.8	41.7	---	---
Acid Number (AN)	mg KOH/g	0.45	0.51	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		9322	16299	---	---
Particles >6µm		2001	2202	---	---
Particles >14µm		166	95	---	---
ISO 4406:1999 (c)		20/18/15	21/18/14	---	---
Silicon	ppm	6	4	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	9	1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	2	4	---	---
Copper	ppm	10	21	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	<1	4	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	148	267	---	---
Magnesium	ppm	2	13	---	---
Zinc	ppm	346	498	---	---
Phosphorus	ppm	298	399	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	5	---	---

Depot: VOLVO0092
Unique No: 10981998
Signed: Wes Davis
Report Date: 18 Apr 2024

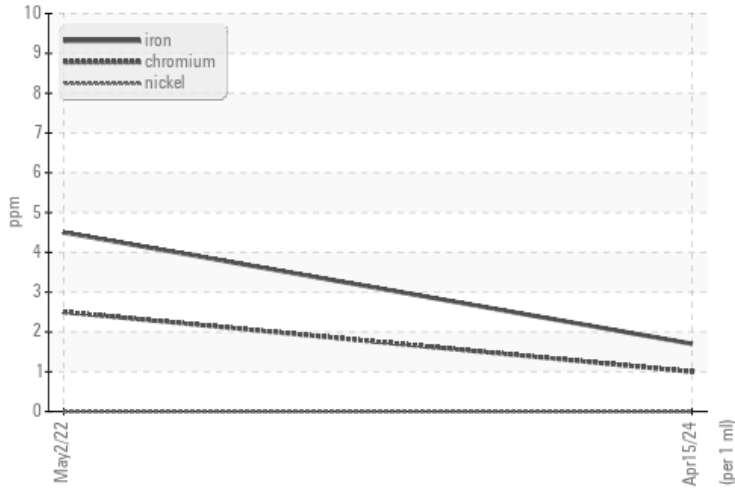


CONSTRUCTION EQUIPMENT

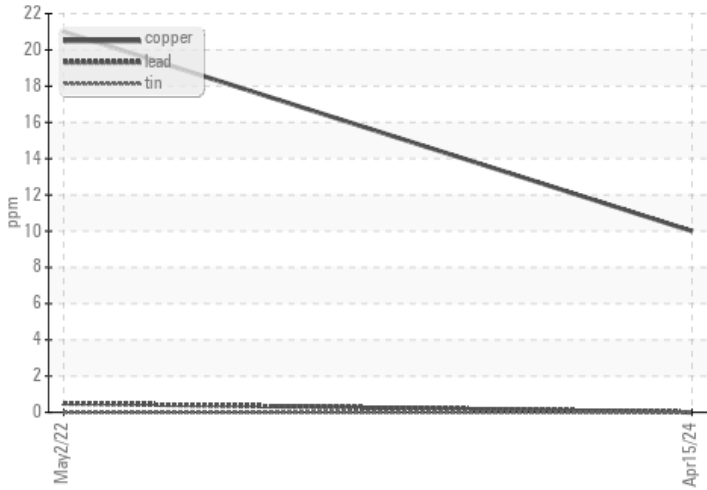


GRAPHS

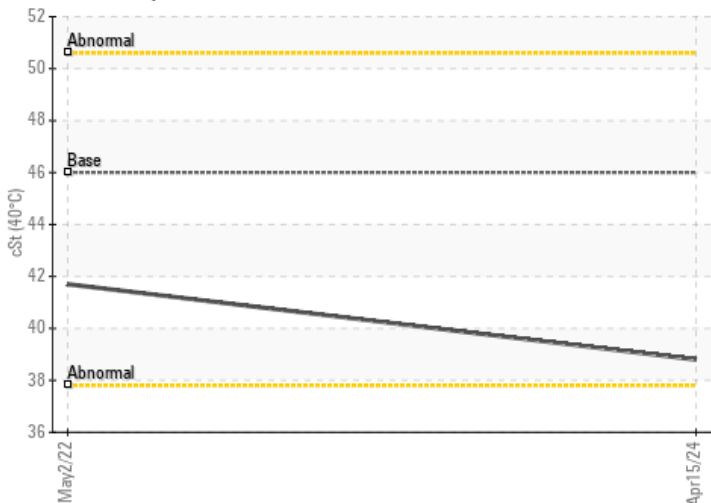
Ferrous Alloys



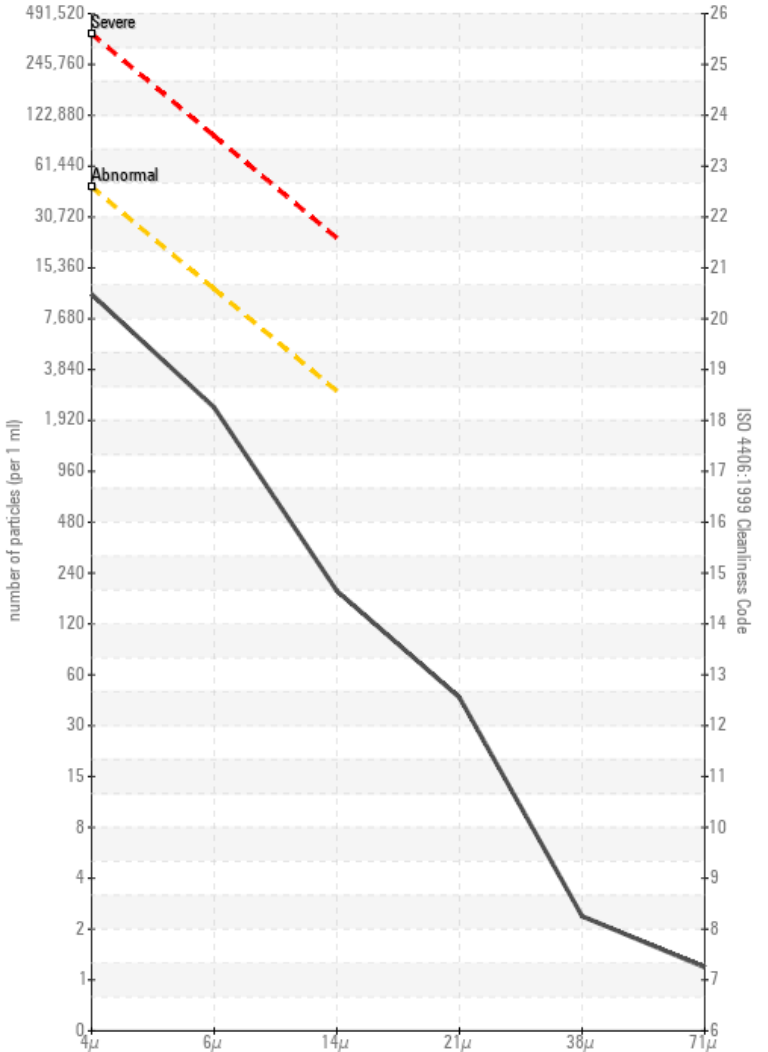
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

