



CONSTRUCTION EQUIPMENT

VOLVO ECR145E 314490 - HYDRAULIC SYSTEM



Sample No: VCP0007514

Oil Type: AW HYDRAULIC OIL ISO 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007514	VCP0002522	---	---
Sample Date	11 Aug 2023	27 Jun 2022	---	---
Machine Hours	2999	2042	---	---
Oil Hours	2999	2042	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY

JACKSONVILLE, FL

US 32256

Contact: TECHNICIAN ACCOUNT

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T:

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OIL CONDITION

Visc @ 40°C	cSt	43.4	42.1	---	---
Acid Number (AN)	mg KOH/g	0.49	0.57	---	---



CONTAMINATION

Particles >4µm		77429	11413	---	---
Particles >6µm		8536	2731	---	---
Particles >14µm		52	192	---	---
ISO 4406:1999 (c)		23/20/13	21/19/15	---	---
Silicon	ppm	5	3	---	---
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 light amount of silt (particulates < 14 microns in size) 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	5	2	---	---
Copper	ppm	32	35	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	90	68	---	---
Magnesium	ppm	5	3	---	---
Zinc	ppm	465	446	---	---
Phosphorus	ppm	366	367	---	---
Barium	ppm	1	2	---	---
Boron	ppm	0	<1	---	---

Depot: VOLVO0092

Unique No: 10605992

Signed: Wes Davis

Report Date: 17 Aug 2023

Submitted By: TECHNICIAN ACCOUNT

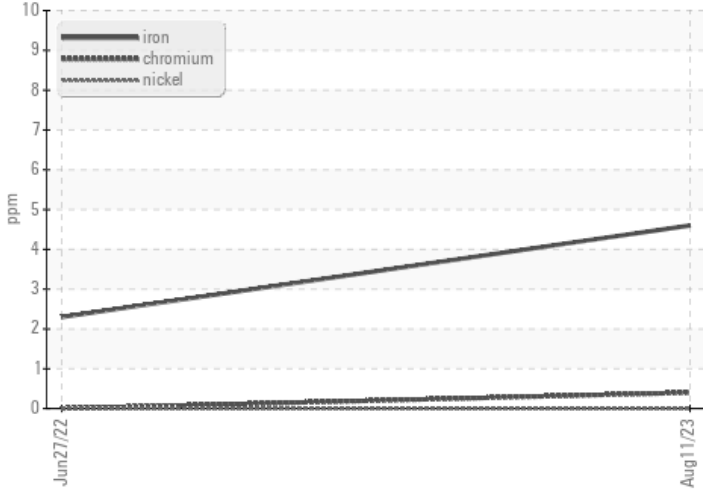


CONSTRUCTION EQUIPMENT

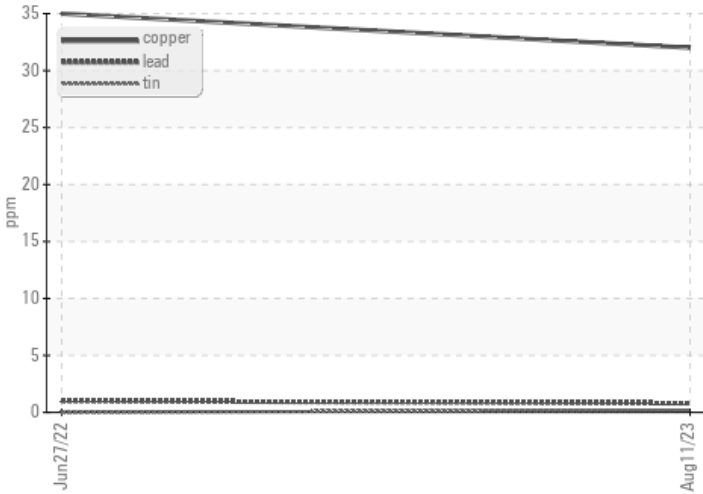


GRAPHS

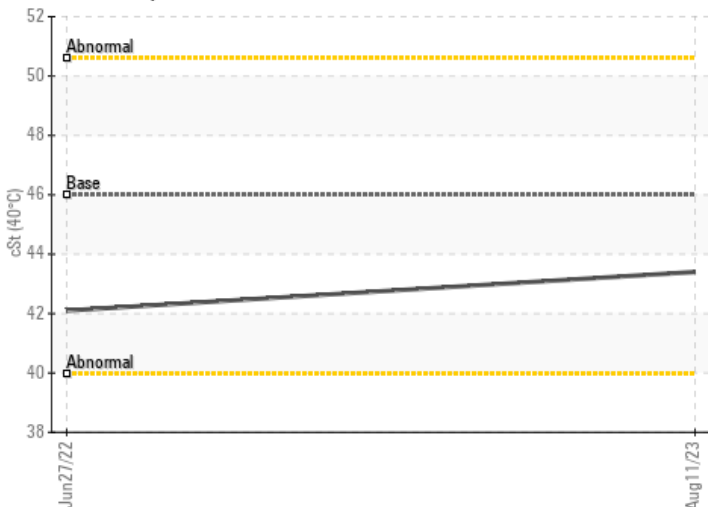
Ferrous Alloys



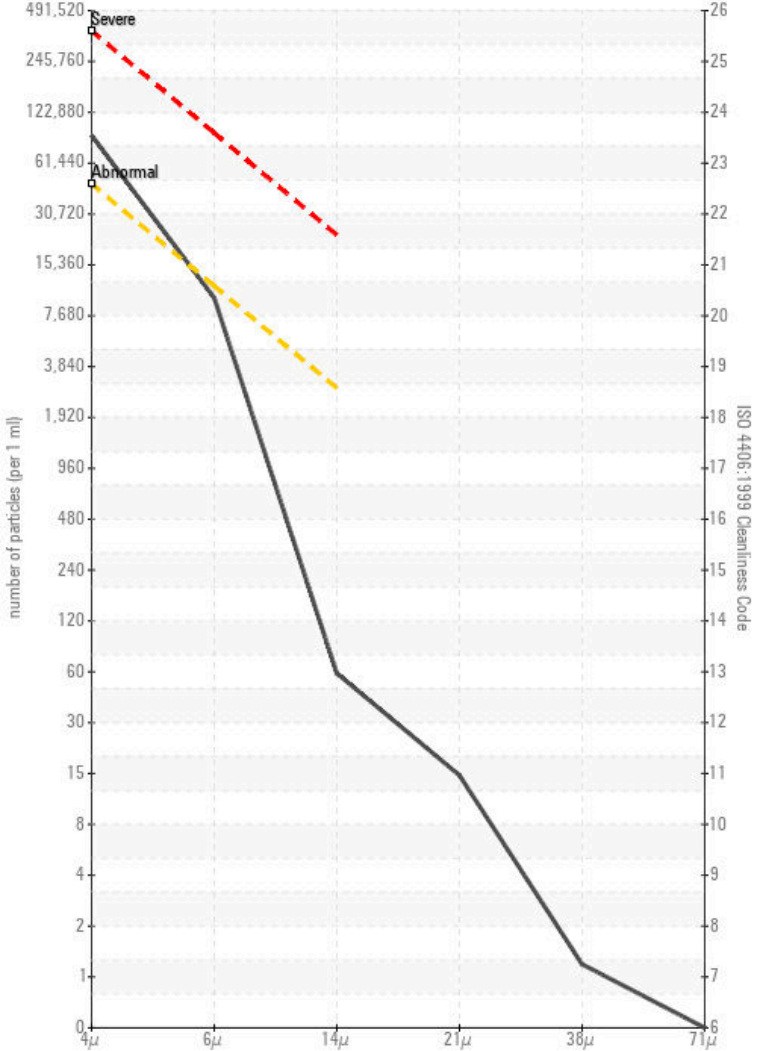
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

