



CONSTRUCTION EQUIPMENT

VOLVO L220ELR 314360 - HYDRAULIC SYSTEM



Sample No: VCP0008474
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008474	VCP330342	---	---
Sample Date	27 Jun 2024	05 May 2022	---	---
Machine Hours	1360	1346	---	---
Oil Hours	1360	1000	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
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OIL CONDITION

Visc @ 40°C	cSt	47.5	43.8	---	---
Acid Number (AN)	mg KOH/g	0.61	0.59	---	---



CONTAMINATION

Water	%	NEG	0.173	---	---
Particles >4µm		5144	---	---	---
Particles >6µm		1649	---	---	---
Particles >14µm		129	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	2	2	---	---
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	2	2	---	---
Copper	ppm	47	39	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	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	110	129	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	671	729	---	---
Phosphorus	ppm	543	540	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	4	---	---

Depot: VOLVO0092
Unique No: 11110831
Signed: Wes Davis
Report Date: 05 Jul 2024

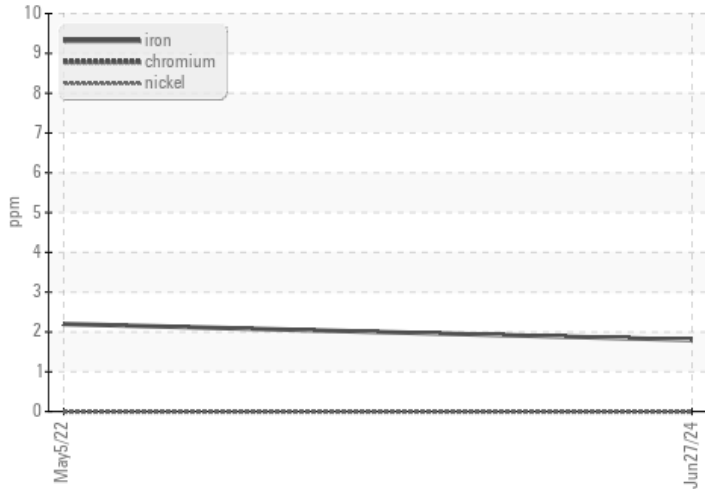


CONSTRUCTION EQUIPMENT

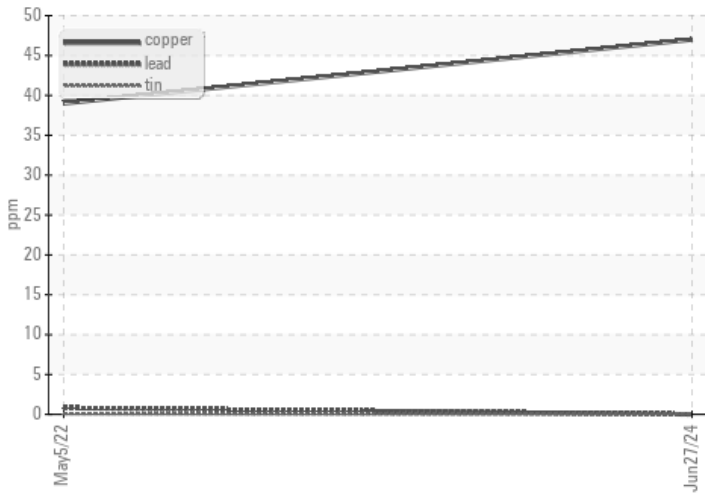


GRAPHS

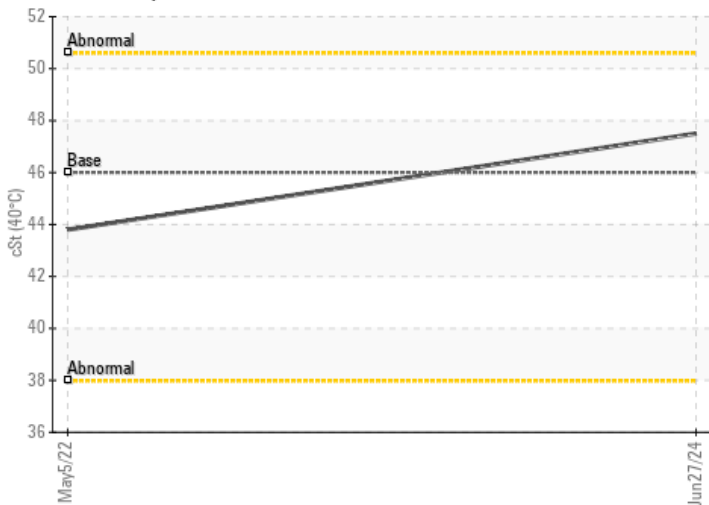
Ferrous Alloys



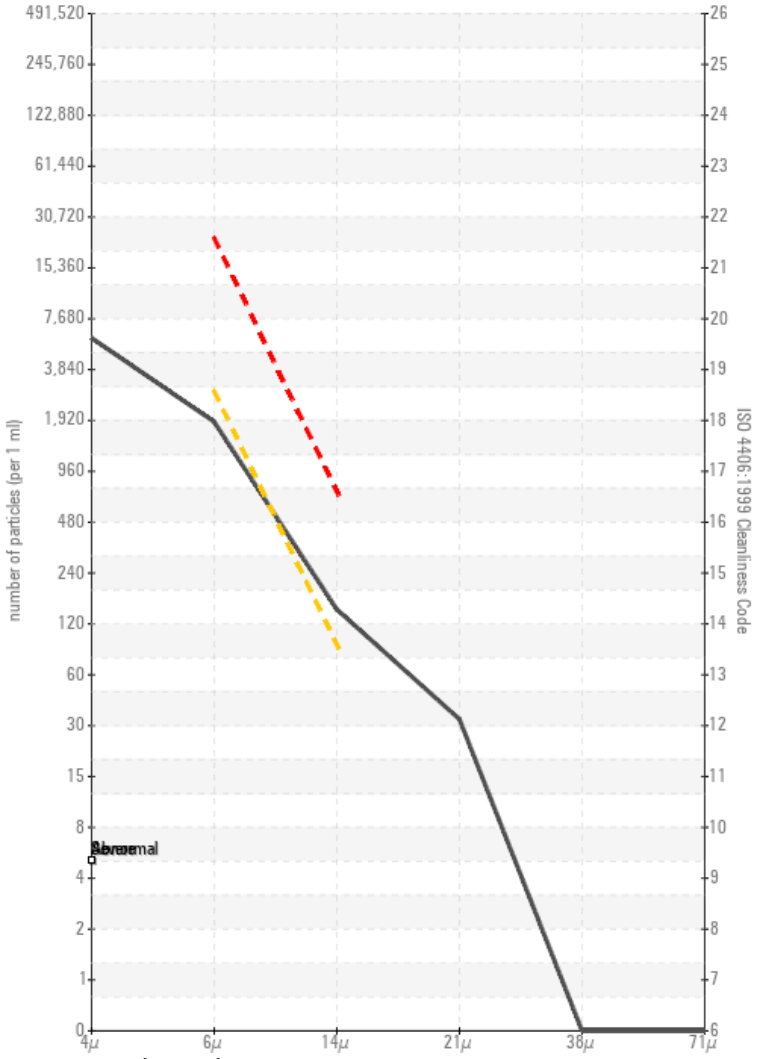
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

