



CONSTRUCTION EQUIPMENT

W14312 VOLVO L110H 5555 - HYDRAULIC SYSTEM



Sample No: VCP406594
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: W14312



SAMPLE INFORMATION

Sample Number	VCP406594	VCP375302	VCP280361	---
Sample Date	18 Jul 2023	01 Sep 2022	14 Jun 2022	---
Machine Hours	2585	1024	588	---
Oil Hours	0	1000	500	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.2	42.7	43.1	---
Acid Number (AN)	mg KOH/g	0.27	0.32	0.34	---



CONTAMINATION

Particles >4µm		5580	4842	4056	---
Particles >6µm		1590	1207	1046	---
Particles >14µm		▲ 112	133	99	---
ISO 4406:1999 (c)		20/18/14	19/17/14	19/17/14	---
Silicon	ppm	2	2	2	---
Sodium	ppm	0	<1	0	---
Potassium	ppm	0	<1	0	---

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



ADDITIVES

Calcium	ppm	56	51	59	---
Magnesium	ppm	<1	<1	0	---
Zinc	ppm	438	456	475	---
Phosphorus	ppm	333	331	407	---
Barium	ppm	2	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0080
Unique No: 10573177
Signed: Wes Davis
Report Date: 26 Jul 2023

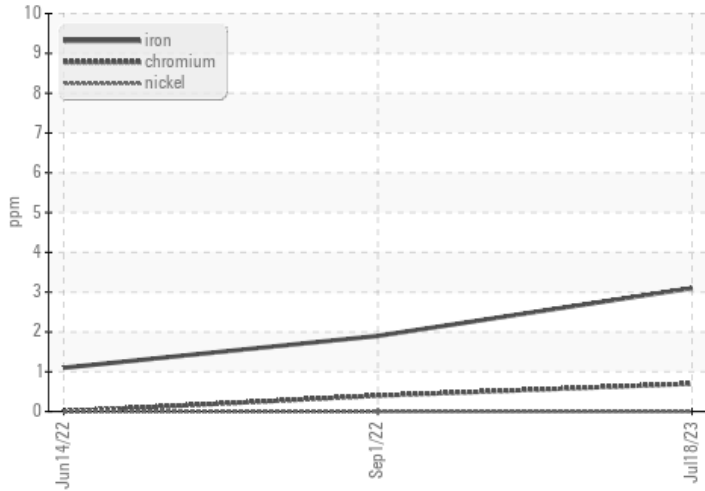


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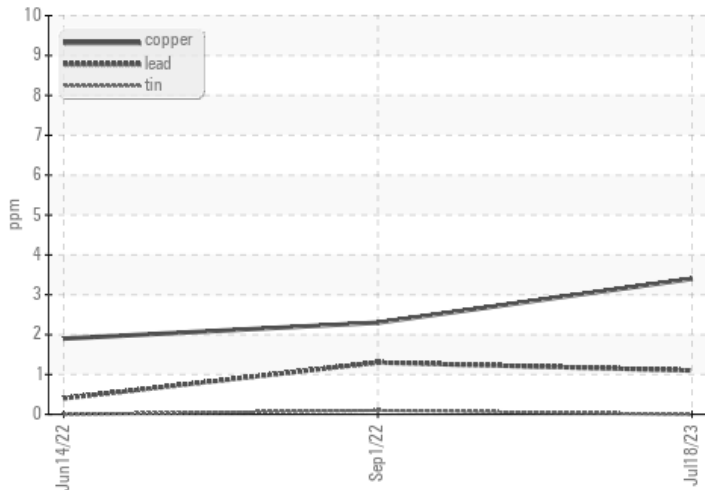


VOLVO GRAPHS

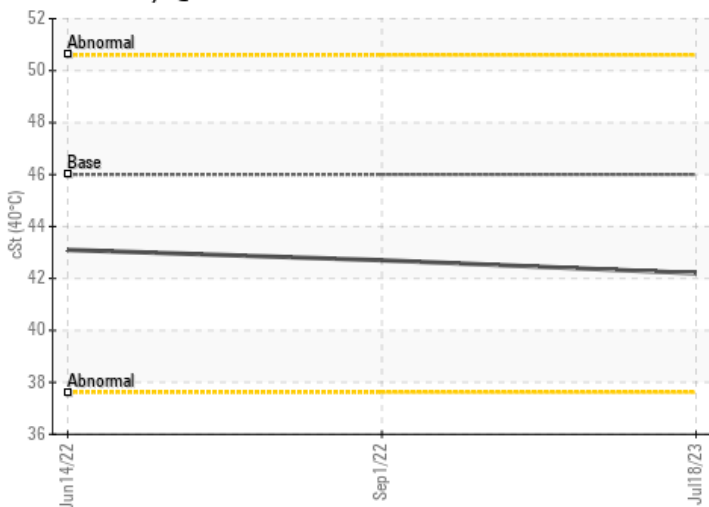
Ferrous Alloys



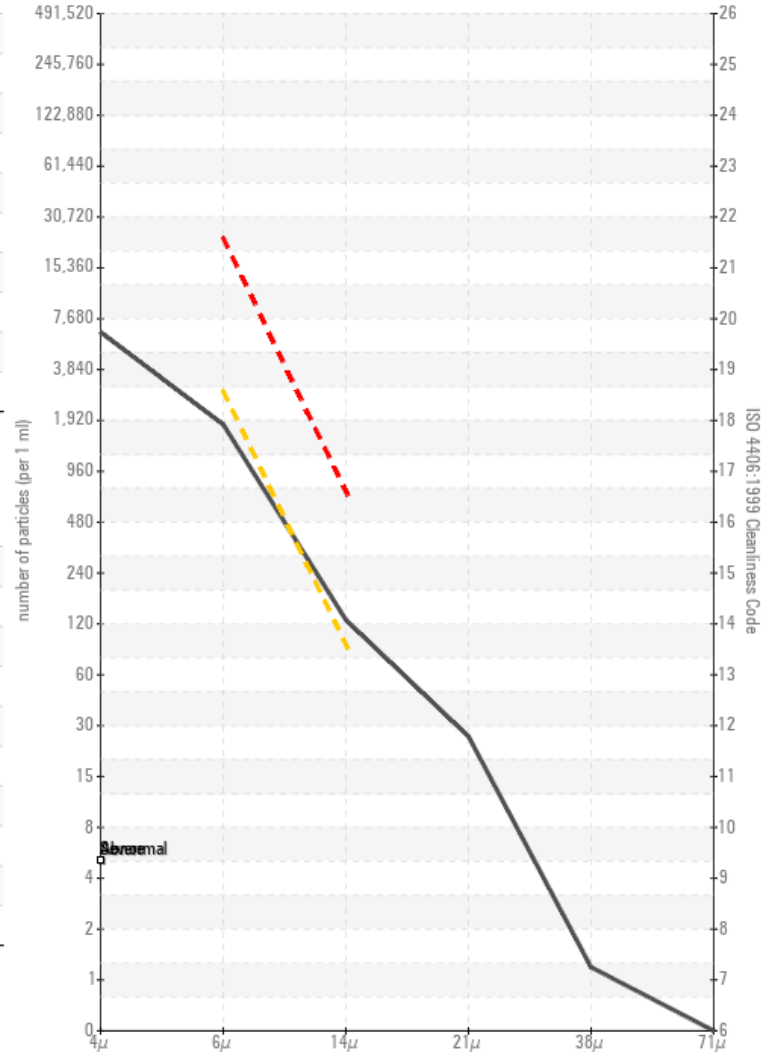
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

