



CONSTRUCTION EQUIPMENT

SW1032182 IAA 6 VOLVO L90H 625150 - HYDRAULIC SYSTEM



Sample No: VCP442952
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1032182 IAA 6



SAMPLE INFORMATION

Sample Number	VCP442952	VCP369011	VCP299908	---
Sample Date	28 Mar 2024	02 May 2023	13 Jan 2021	---
Machine Hours	8415	6748	2044	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	ATTENTION	ABNORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	44.1	42.7	43.1	---
Acid Number (AN)	mg KOH/g	0.32	0.30	0.341	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		9700	26935	8086	---
Particles >6µm		1935	7974	2175	---
Particles >14µm		125	267	247	---
ISO 4406:1999 (c)		20/18/14	22/20/15	20/18/15	---
Silicon	ppm	3	5	3	---
Sodium	ppm	0	0	2	---
Potassium	ppm	2	1	0	---

Diagnosis

The filter change at the time of sampling has been noted. 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	11	16	5	---
Copper	ppm	2	4	4	---
Lead	ppm	<1	2	2	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	69	102	137	---
Magnesium	ppm	5	4	6	---
Zinc	ppm	339	454	423	---
Phosphorus	ppm	260	334	335	---
Barium	ppm	0	0	0	---
Boron	ppm	0	<1	3	---

Depot: VOLVO6174
Unique No: 10963293
Signed: Wes Davis
Report Date: 05 Apr 2024

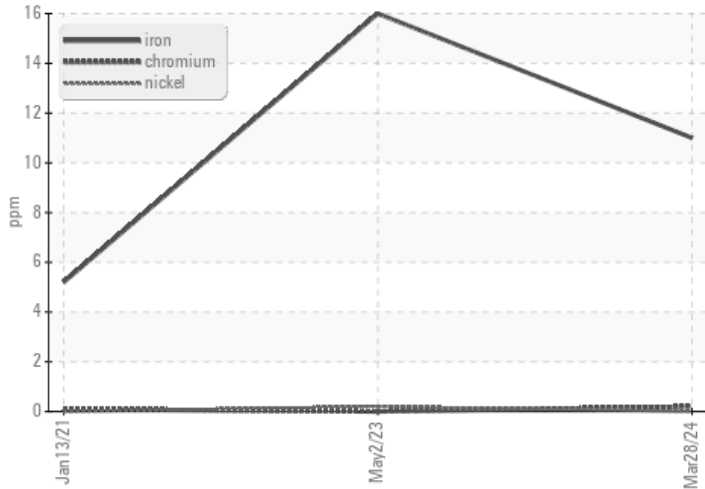


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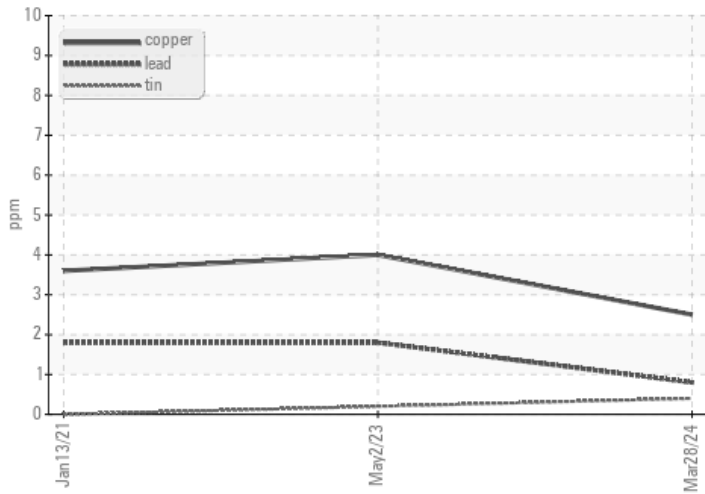


GRAPHS

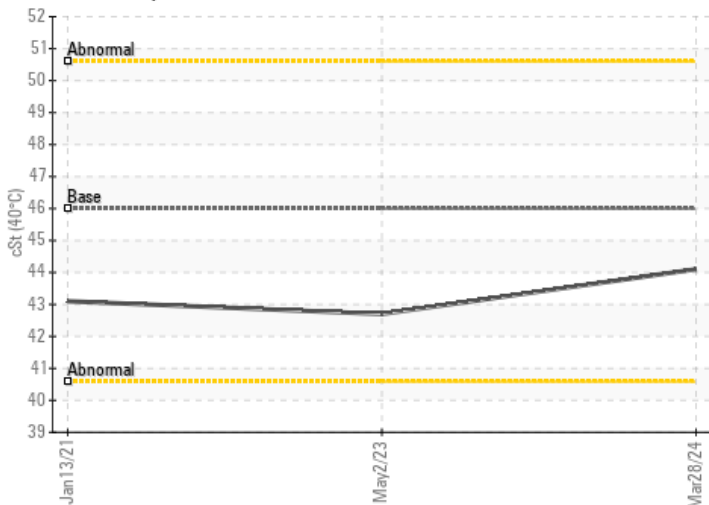
Ferrous Alloys



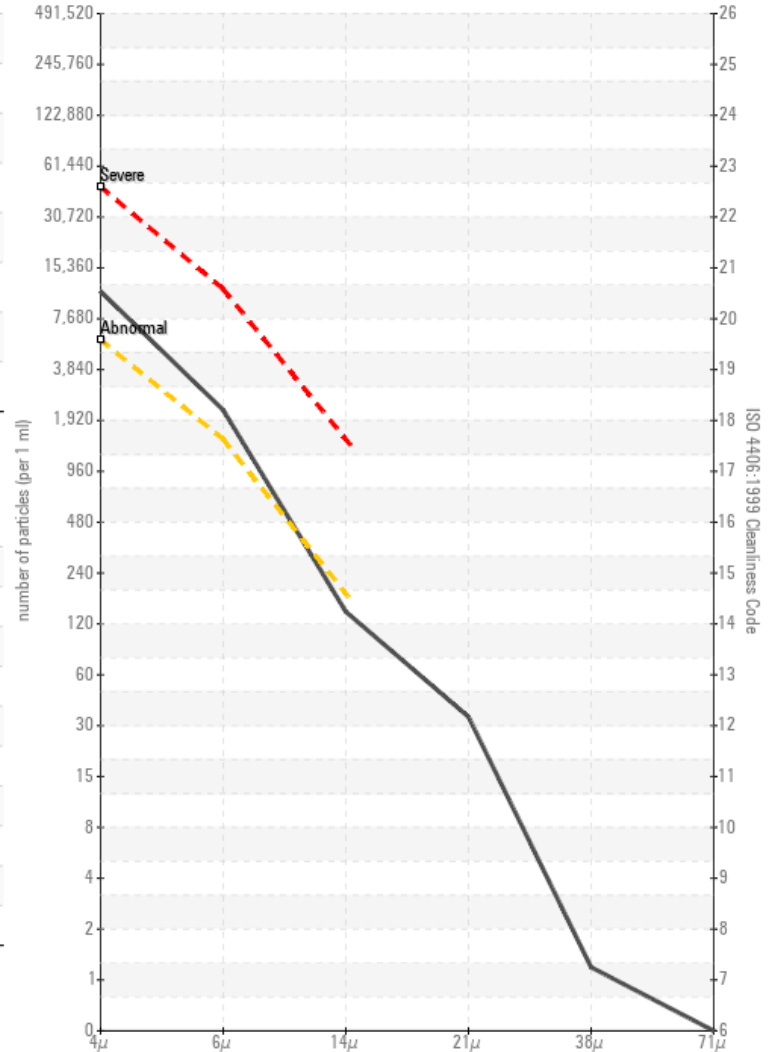
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

