



CONSTRUCTION EQUIPMENT

SW102206 YAVAPAI VOLVO L70H 623687 - HYDRAULIC SYSTEM



Sample No: VCP417465
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW102206 YAVAPAI



SAMPLE INFORMATION

Sample Number	VCP417465	VCP353727	VCP303307	---
Sample Date	28 Jul 2023	16 Sep 2022	27 Oct 2021	---
Machine Hours	8550	7501	6567	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.1	43.8	44.8	---
Acid Number (AN)	mg KOH/g	0.36	0.38	0.484	---



CONTAMINATION

Particles >4µm		15189	18733	33249	---
Particles >6µm		2938	1460	1784	---
Particles >14µm		161	106	58	---
ISO 4406:1999 (c)		21/19/15	21/18/14	22/18/13	---
Silicon	ppm	5	5	4	---
Sodium	ppm	0	3	9	---
Potassium	ppm	5	3	2	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	4	4	4	---
Copper	ppm	<1	2	3	---
Lead	ppm	2	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	4	5	3	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	480	514	286	---
Magnesium	ppm	52	48	29	---
Zinc	ppm	547	538	362	---
Phosphorus	ppm	391	453	361	---
Barium	ppm	3	0	0	---
Boron	ppm	9	11	7	---

Depot: VOLVO6174
Unique No: 10589284
Signed: Don Baldrige
Report Date: 08 Aug 2023

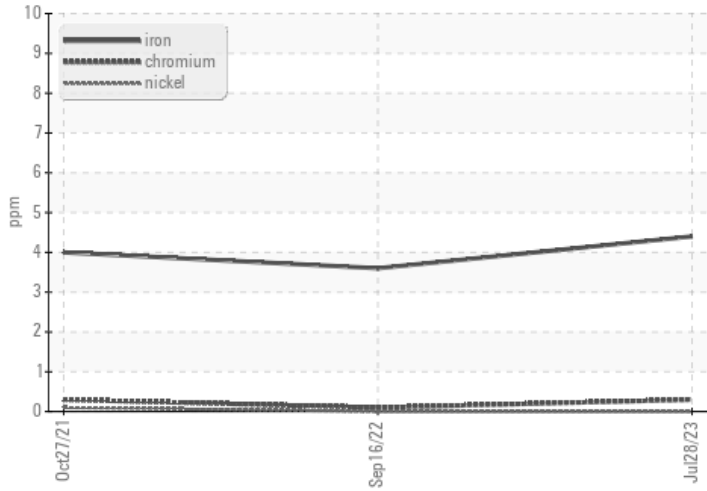


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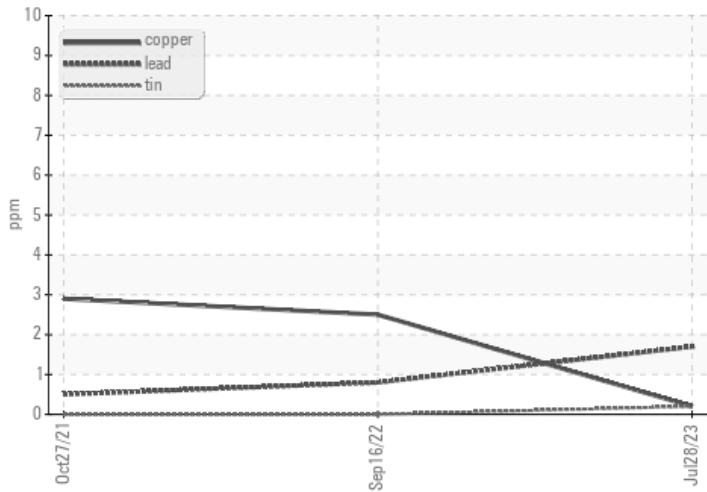


VOLVO GRAPHS

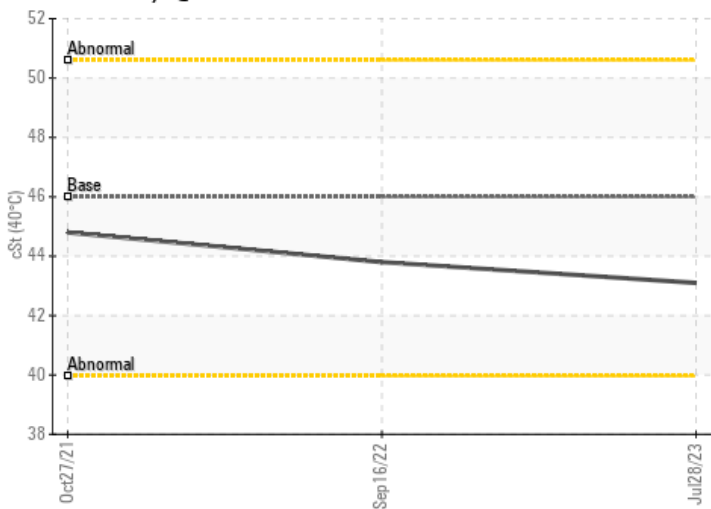
Ferrous Alloys



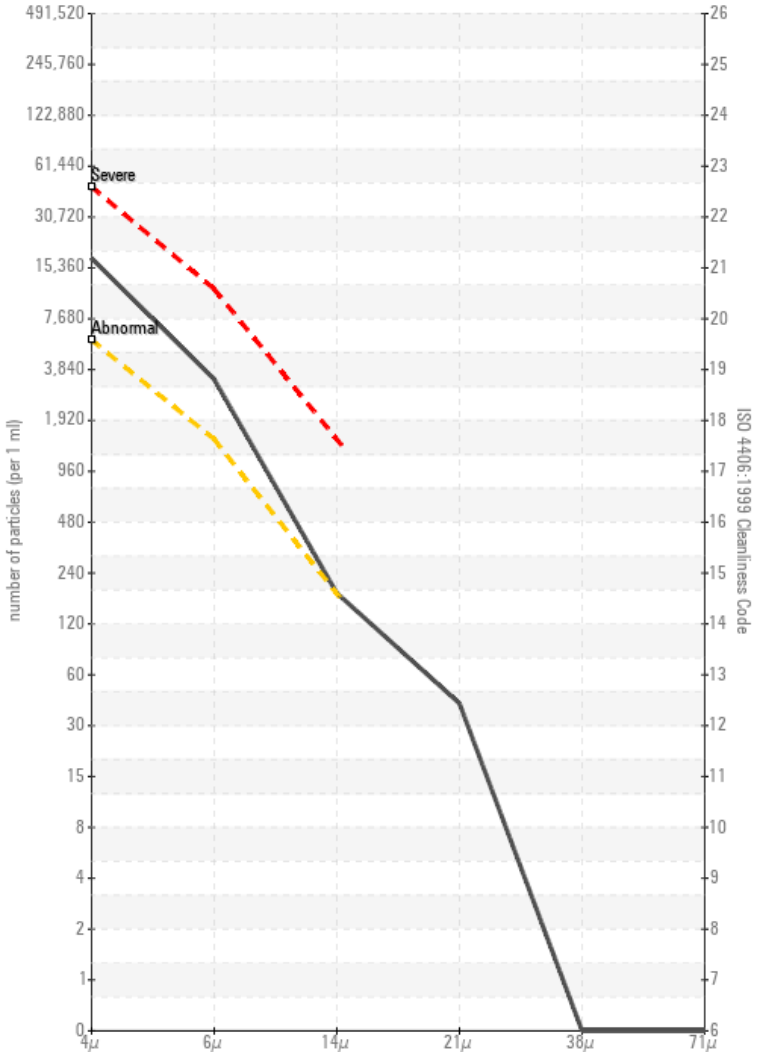
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

