



CONSTRUCTION EQUIPMENT

579517 PRINCE VOLVO L90H 626298 - HYDRAULIC SYSTEM



Sample No: VCP417710
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 579517 PRINCE



SAMPLE INFORMATION

Sample Number	VCP417710	VCP398468	VCP370722	---
Sample Date	07 Jul 2023	23 Jan 2023	18 Oct 2022	---
Machine Hours	1506	1037	530	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.8	43.1	43.9	---
Acid Number (AN)	mg KOH/g	0.31	0.34	0.43	---



CONTAMINATION

Particles >4µm		7270	3875	3380	---
Particles >6µm		595	404	351	---
Particles >14µm		21	18	20	---
ISO 4406:1999 (c)		20/16/12	19/16/11	19/16/11	---
Silicon	ppm	4	4	3	---
Sodium	ppm	<1	0	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	5	4	2	---
Copper	ppm	2	2	2	---
Lead	ppm	<1	1	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	117	120	61	---
Magnesium	ppm	3	4	3	---
Zinc	ppm	435	461	421	---
Phosphorus	ppm	347	339	316	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0096
Unique No: 10551887
Signed: Wes Davis
Report Date: 13 Jul 2023

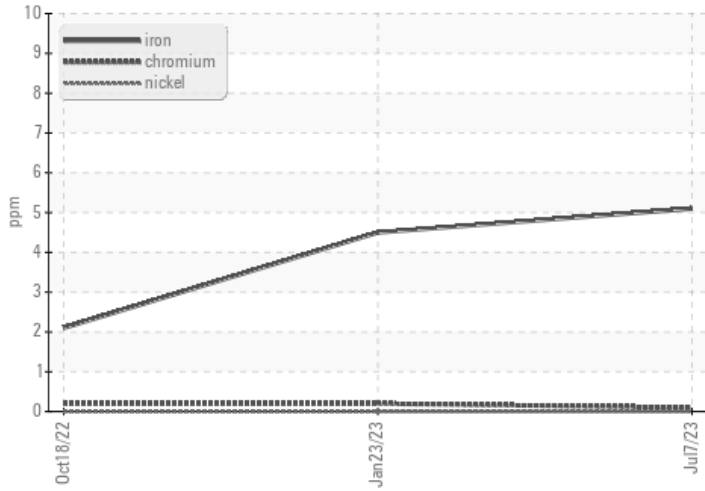


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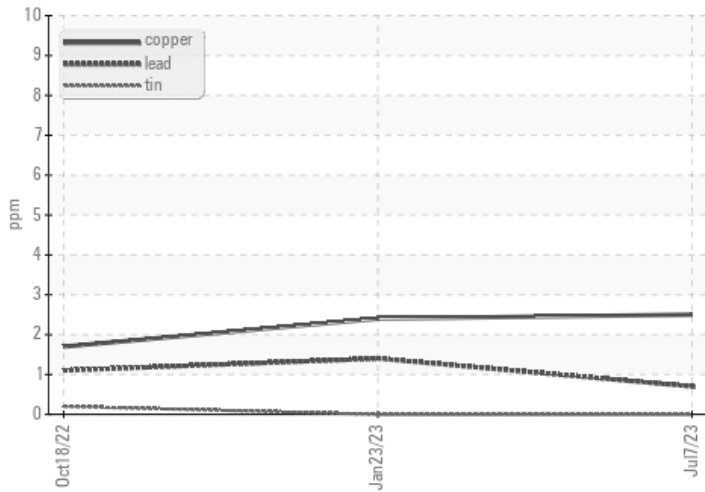


GRAPHS

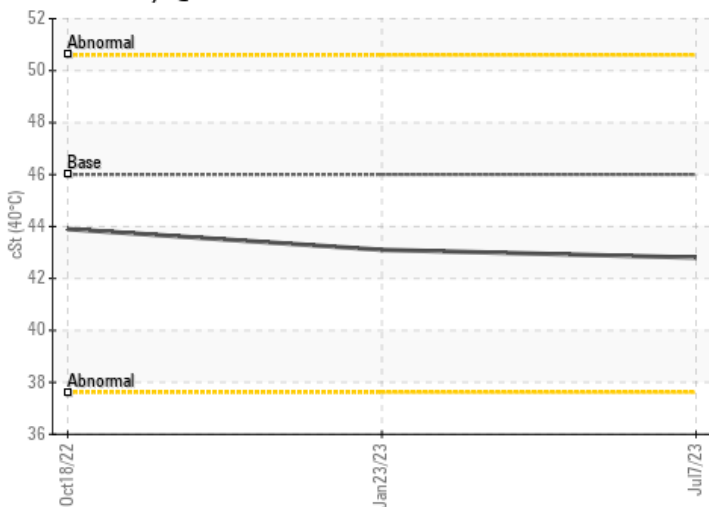
Ferrous Alloys



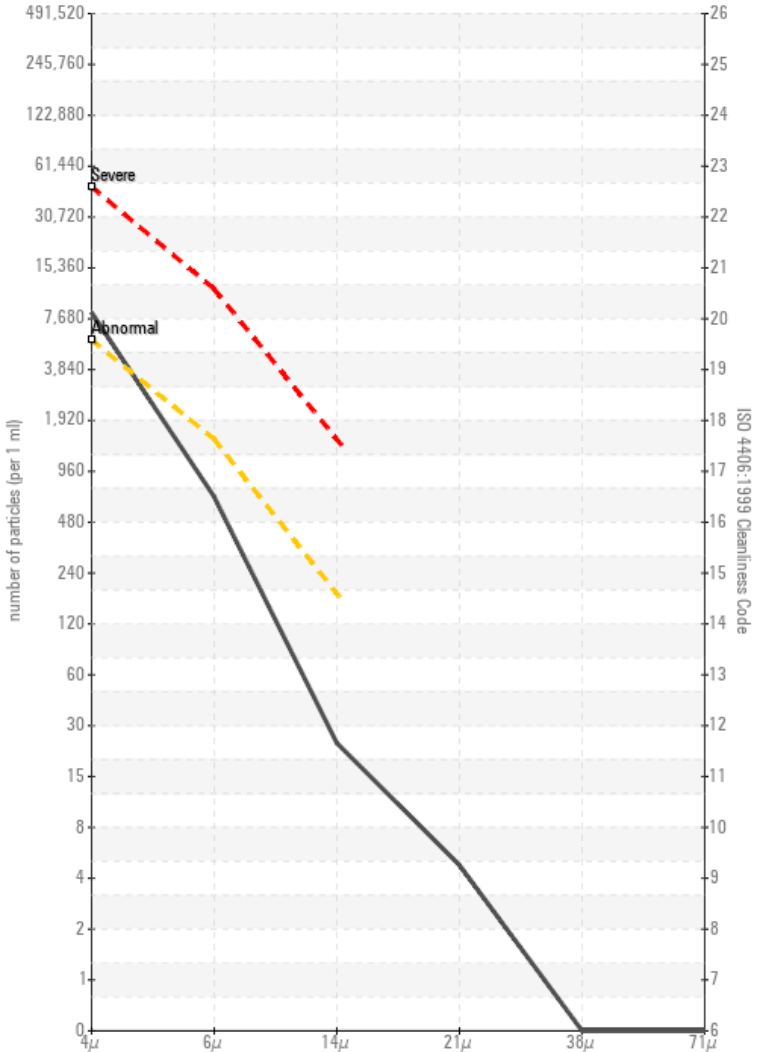
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

