



CONSTRUCTION EQUIPMENT

660450 PRINCE VOLVO L90H 626545 - HYDRAULIC SYSTEM



Sample No: VCP437464
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 660450 PRINCE



SAMPLE INFORMATION

Sample Number	VCP437464	VCP440715	VCP417678	---
Sample Date	16 Jan 2024	20 Oct 2023	07 Jul 2023	---
Machine Hours	2003	1583	988	---
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	44.4	42.3	43.2	---
Acid Number (AN)	mg KOH/g	0.41	0.38	0.40	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 5775	3206	2222	---
Particles >6µm		922	585	319	---
Particles >14µm		33	32	15	---
ISO 4406:1999 (c)		20/17/12	19/16/12	18/15/11	---
Silicon	ppm	2	4	3	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	2	2	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	4	6	3	---
Copper	ppm	2	2	2	---
Lead	ppm	3	2	<1	---
Tin	ppm	1	0	0	---
Aluminum	ppm	2	2	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	2	<1	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	68	66	64	---
Magnesium	ppm	3	3	2	---
Zinc	ppm	472	428	430	---
Phosphorus	ppm	324	334	341	---
Barium	ppm	<1	3	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0096
Unique No: 10845005
Signed: Wes Davis
Report Date: 24 Jan 2024

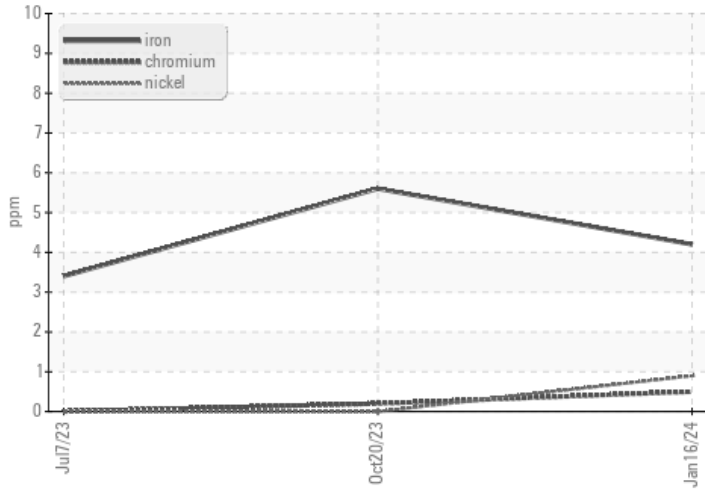


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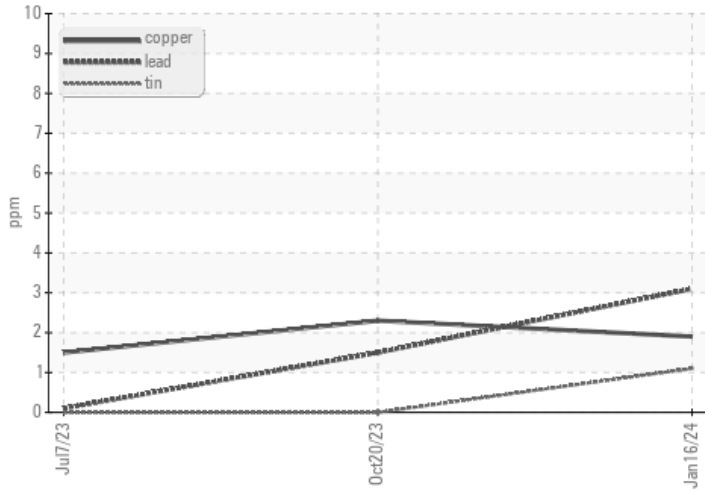


GRAPHS

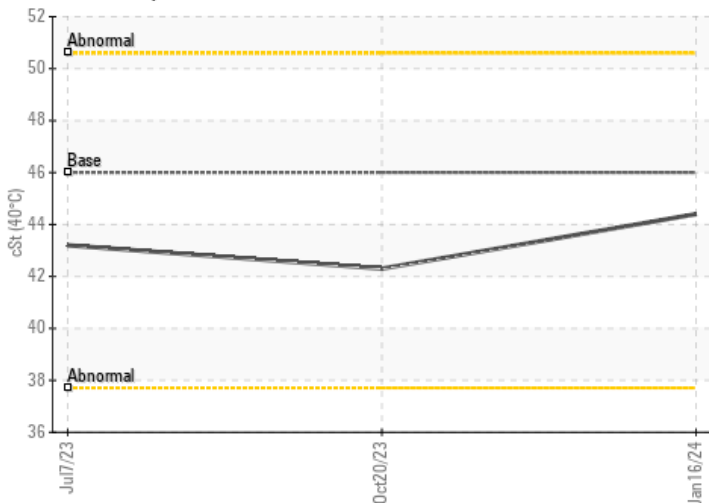
Ferrous Alloys



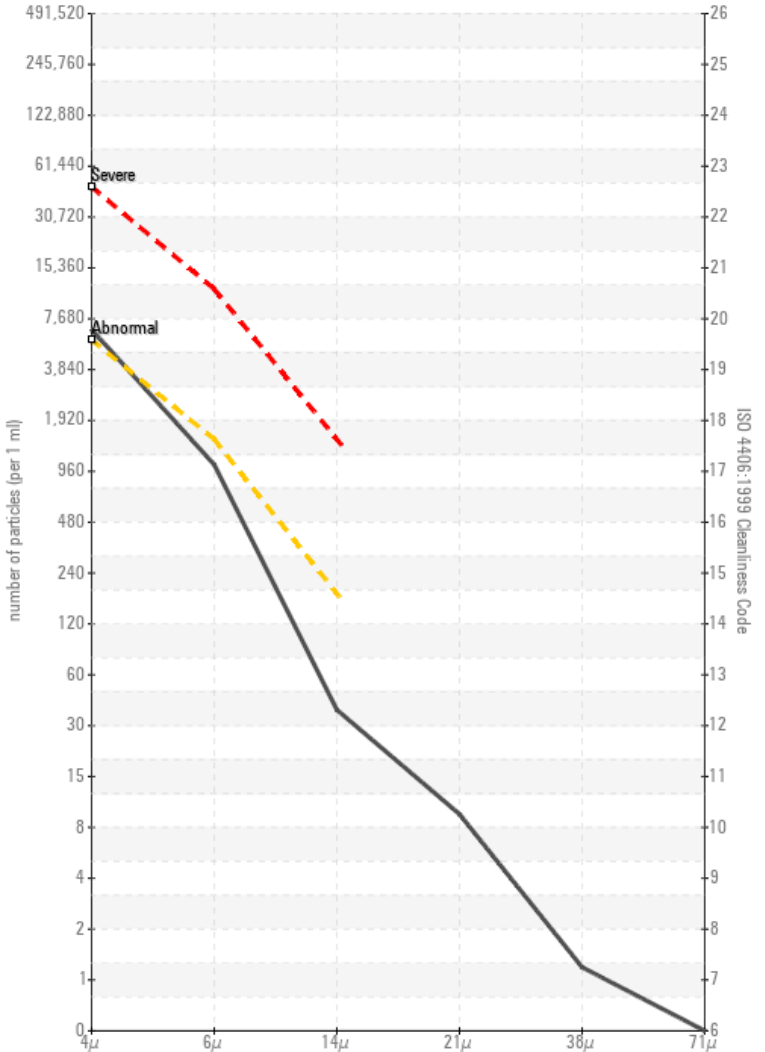
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

