



CONSTRUCTION EQUIPMENT

715018 PRINCE VOLVO L90H 626297 - HYDRAULIC SYSTEM



Sample No: VCP449535
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 715018 PRINCE



SAMPLE INFORMATION

Sample Number	VCP449535	VCP394500	VCP370719	---
Sample Date	04 May 2024	20 Feb 2023	18 Oct 2022	---
Machine Hours	2694	1172	582	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.6	43.7	44.4	---
Acid Number (AN)	mg KOH/g	0.35	0.35	0.43	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		2840	3708	3144	---
Particles >6µm		203	362	256	---
Particles >14µm		3	11	13	---
ISO 4406:1999 (c)		19/15/9	19/16/11	19/15/11	---
Silicon	ppm	4	4	3	---
Sodium	ppm	2	0	0	---
Potassium	ppm	0	0	0	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	6	3	2	---
Copper	ppm	3	2	2	---
Lead	ppm	1	2	1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	<1	0	---
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	0	0	0	---



ADDITIVES

Calcium	ppm	68	71	68	---
Magnesium	ppm	2	2	3	---
Zinc	ppm	423	459	447	---
Phosphorus	ppm	324	334	338	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0096
Unique No: 11018633
Signed: Wes Davis
Report Date: 09 May 2024

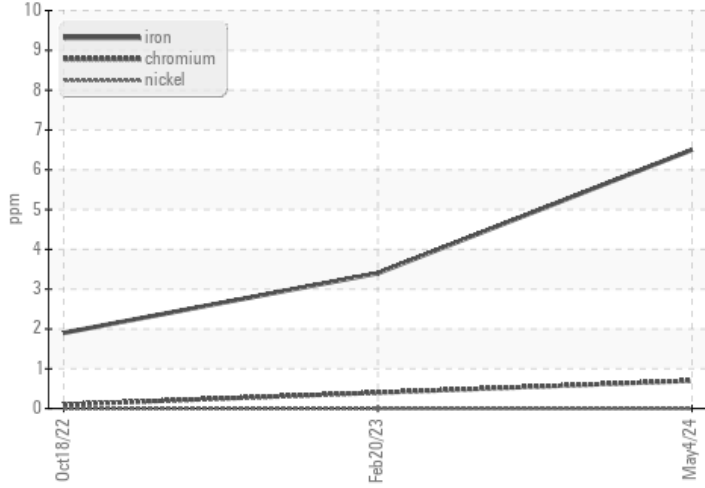


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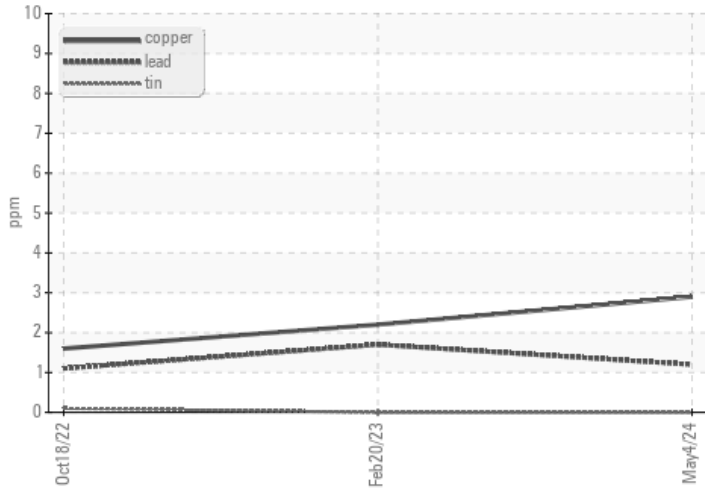


GRAPHS

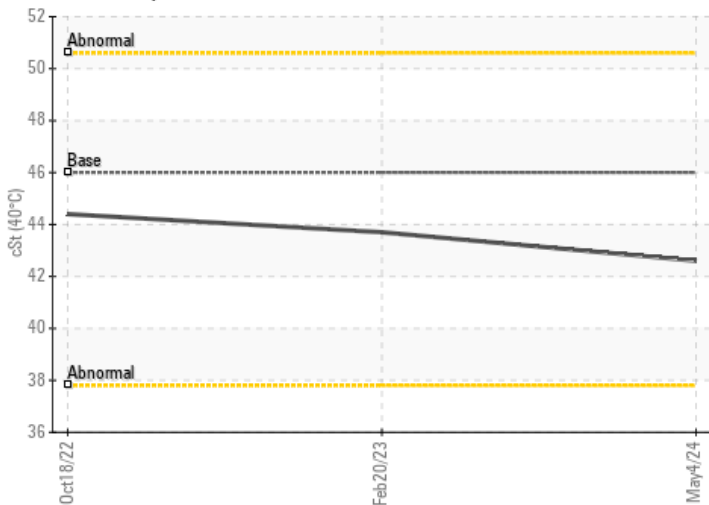
Ferrous Alloys



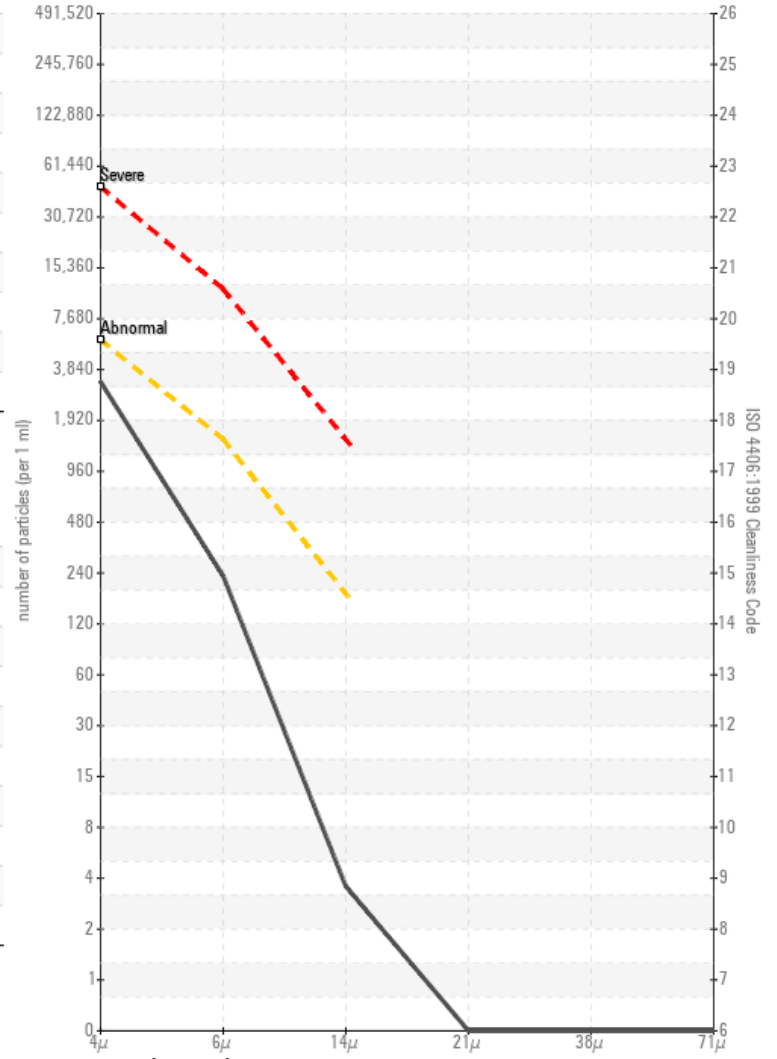
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

