



CONSTRUCTION EQUIPMENT

405622 VOLVO L120H 632718 - HYDRAULIC SYSTEM



Sample No: VCP334155
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 405622



SAMPLE INFORMATION

Sample Number	VCP334155	VCP391973	VCP331772	---
Sample Date	30 May 2024	24 Apr 2023	31 Aug 2022	---
Machine Hours	14423	8229	4837	---
Oil Hours	2000	0	4837	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	ATTENTION	NORMAL	---



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OIL CONDITION

Visc @ 40°C	cSt	40.9	41.7	41.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4472	4636	4510	---
Particles >6µm		1365	1596	1054	---
Particles >14µm		85	187	40	---
ISO 4406:1999 (c)		19/18/14	19/18/15	19/17/12	---
Silicon	ppm	6	5	6	---
Sodium	ppm	1	1	1	---
Potassium	ppm	<1	<1	<1	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	8	6	7	---
Copper	ppm	1	1	2	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	<1	1	---
Chromium	ppm	2	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	86	116	103	---
Magnesium	ppm	1	2	4	---
Zinc	ppm	413	434	412	---
Phosphorus	ppm	330	368	332	---
Barium	ppm	0	0	0	---
Boron	ppm	1	2	2	---

Depot: VOLVO9652
Unique No: 5788588
Signed: Wes Davis
Report Date: 04 Jun 2024

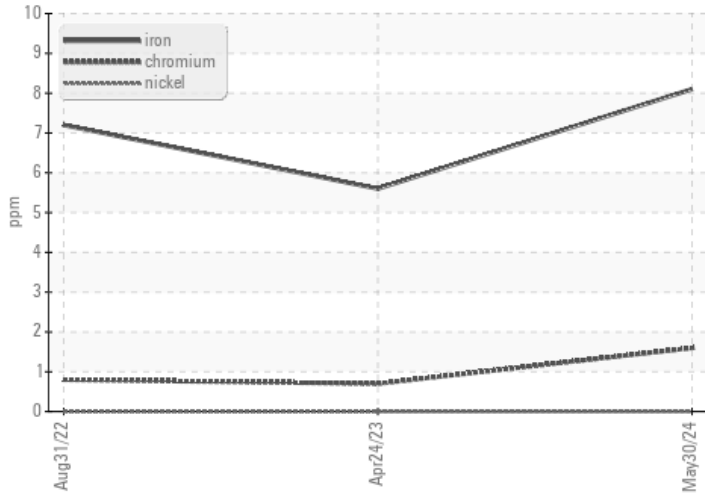


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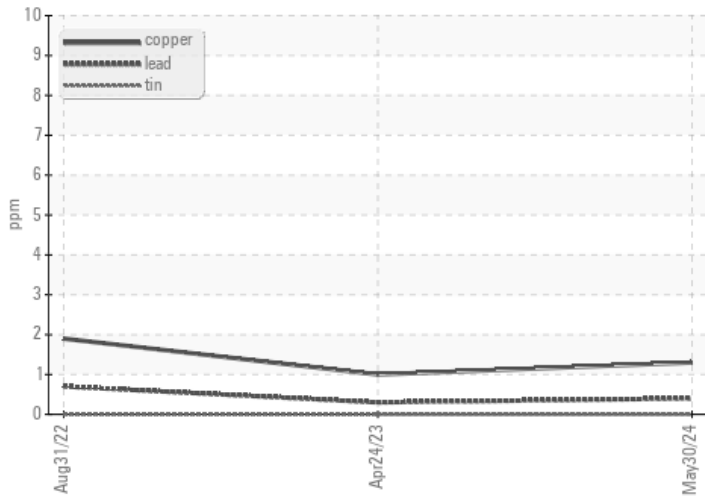


GRAPHS

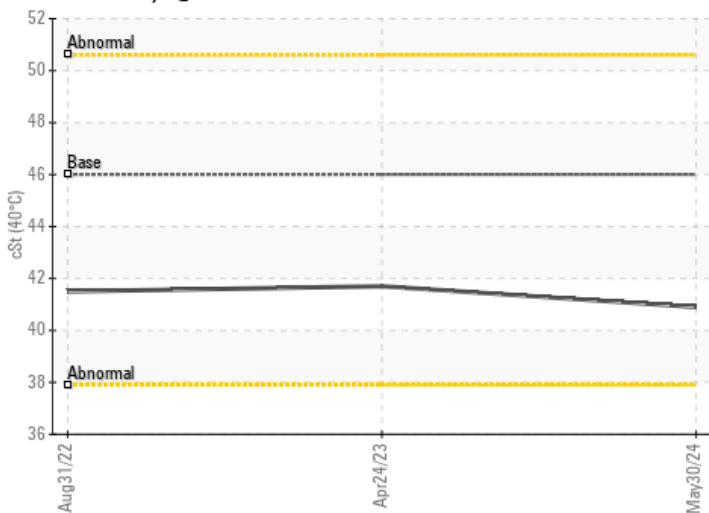
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

