



CONSTRUCTION EQUIPMENT

SPM717176 RENTALS VOLVO L70H 624047 - HYDRAULIC SYSTEM



Sample No: VCP438601
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM717176 RENTALS



SAMPLE INFORMATION

Sample Number	VCP438601	VCP427041	VCP425304	---
Sample Date	29 May 2024	03 Apr 2024	19 Oct 2023	---
Machine Hours	3021	2822	1920	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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 5000 INDUSTRIAL HWY
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 US 46406
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 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.6	42.3	42.7	---
Acid Number (AN)	mg KOH/g	0.31	0.25	0.27	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		3868	11006	4045	---
Particles >6µm		767	2843	985	---
Particles >14µm		32	276	69	---
ISO 4406:1999 (c)		19/17/12	21/19/15	19/17/13	---
Silicon	ppm	7	5	5	---
Sodium	ppm	<1	3	0	---
Potassium	ppm	<1	<1	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	4	2	---
Copper	ppm	2	2	1	---
Lead	ppm	2	2	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	68	75	77	---
Magnesium	ppm	5	4	8	---
Zinc	ppm	448	439	496	---
Phosphorus	ppm	333	350	364	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	0	0	---

Depot: VOLVO8885
Unique No: 11084396
Signed: Wes Davis
Report Date: 18 Jun 2024

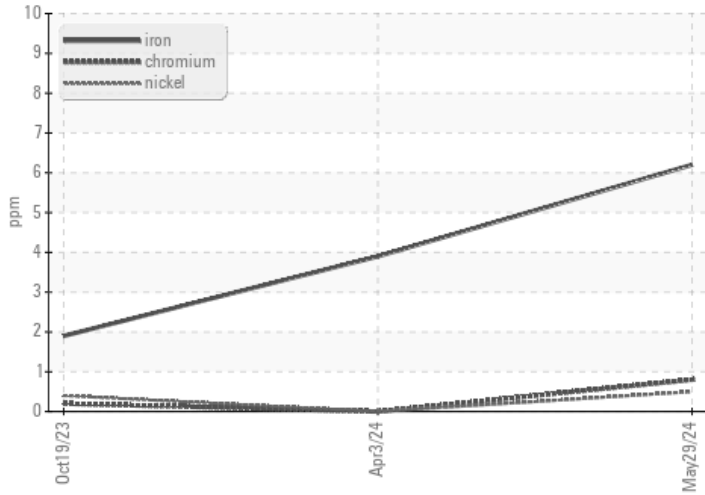


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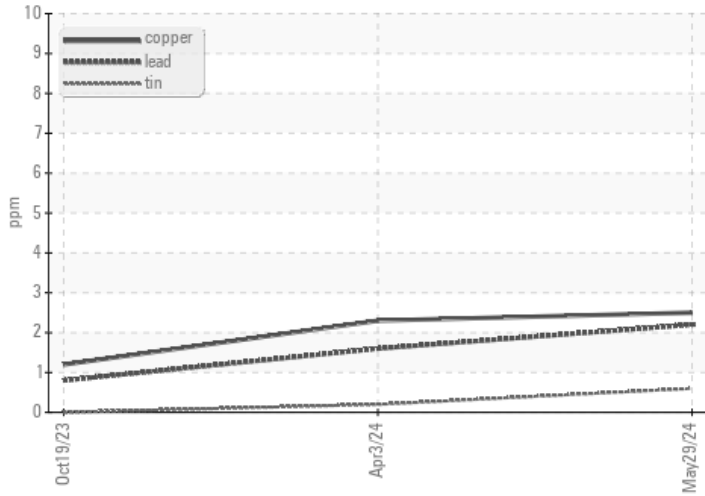


VOLVO GRAPHS

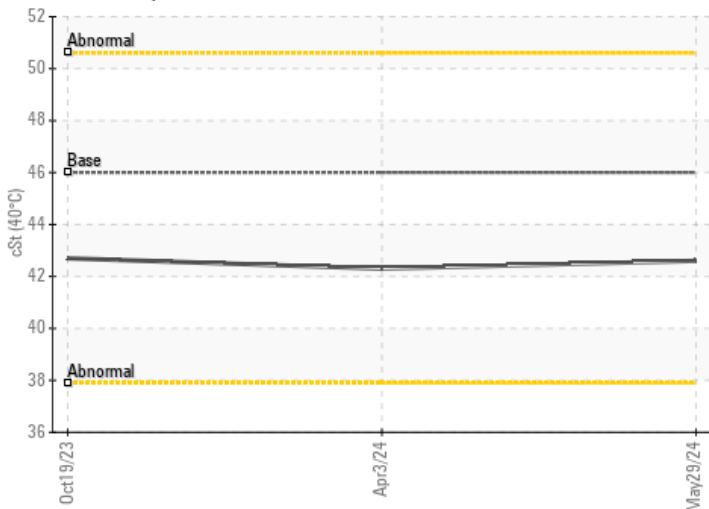
Ferrous Alloys



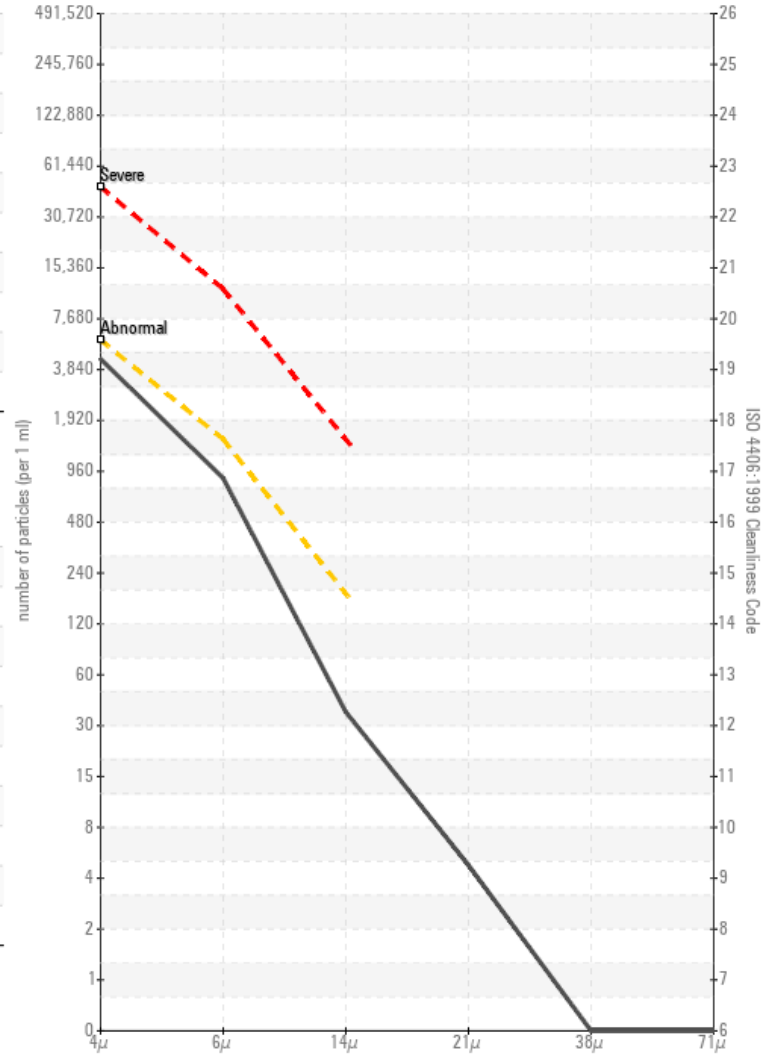
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

