



CONSTRUCTION EQUIPMENT

SPM700166 RENTALS VOLVO L70H 624047 - HYDRAULIC SYSTEM



Sample No: VCP427041
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM700166 RENTALS



SAMPLE INFORMATION

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

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5000 INDUSTRIAL HWY
GARY, IN
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T: (312)350-2560
F:



OIL CONDITION

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



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 11006	4045	---	---
Particles >6µm		▲ 2843	985	---	---
Particles >14µm		● 276	69	---	---
ISO 4406:1999 (c)		21/19/15	19/17/13	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	4	2	---	---
Copper	ppm	2	1	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	75	77	---	---
Magnesium	ppm	4	8	---	---
Zinc	ppm	439	496	---	---
Phosphorus	ppm	350	364	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO8885
Unique No: 10989698
Signed: Wes Davis
Report Date: 22 Apr 2024

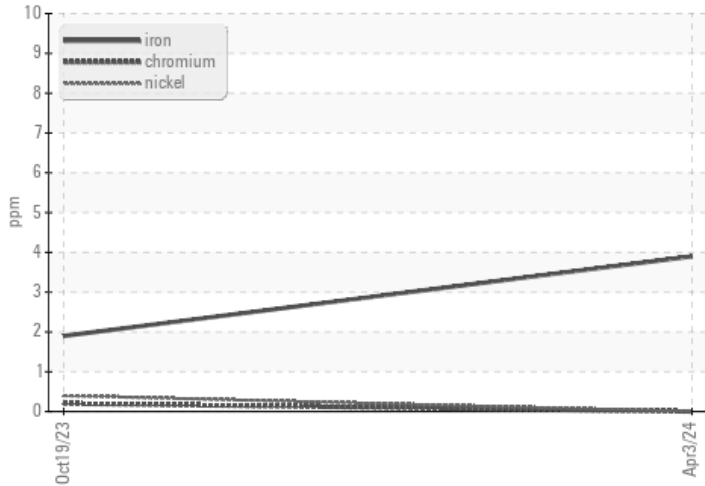


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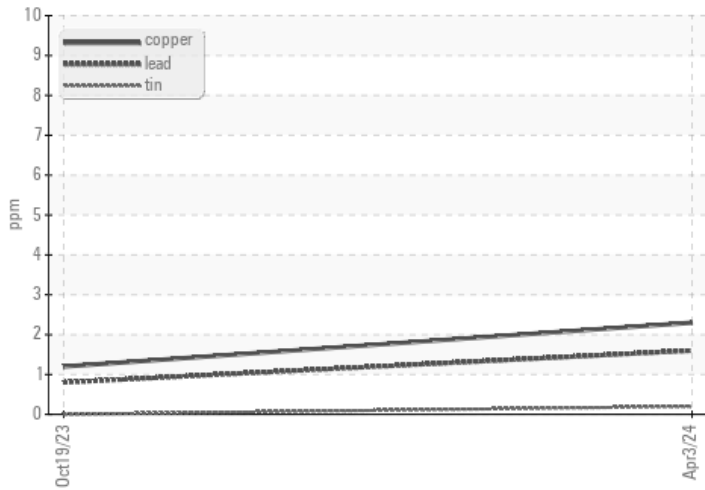


GRAPHS

Ferrous Alloys



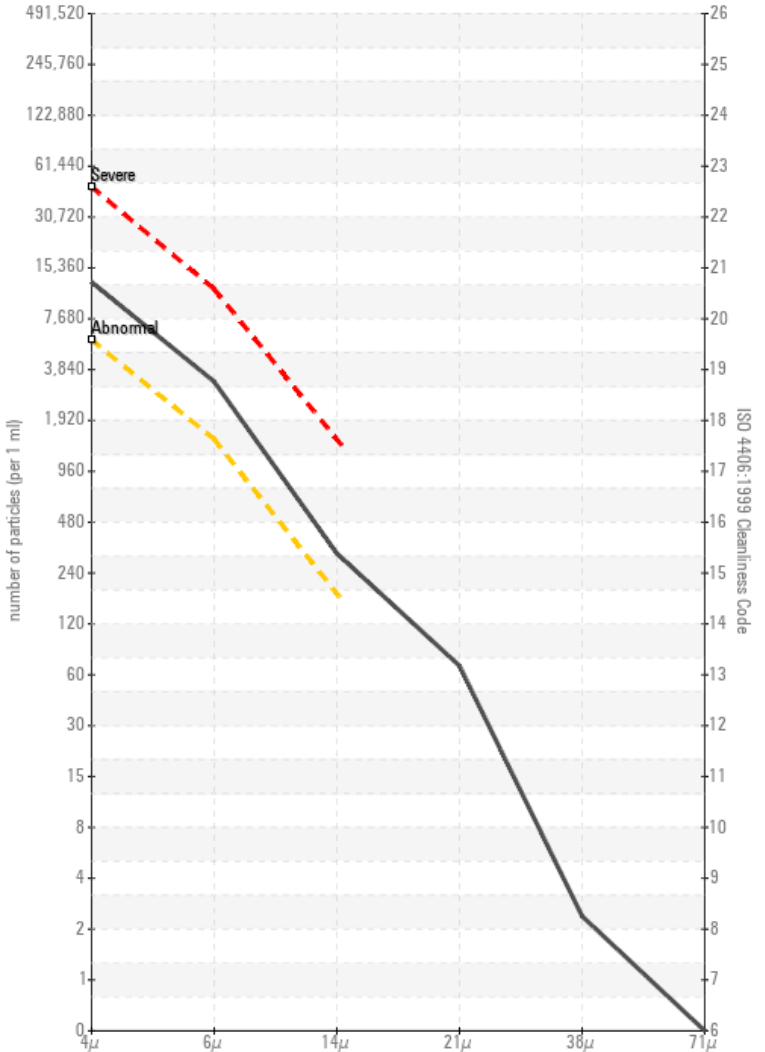
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

