



CONSTRUCTION EQUIPMENT

D12688 IAA SUSSEX VOLVO L90H 625531 - HYDRAULIC SYSTEM



Sample No: VCP418690
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: D12688 IAA SUSSEX



SAMPLE INFORMATION

Sample Number	VCP418690	VCP381216	---	---
Sample Date	19 Sep 2023	02 Mar 2023	---	---
Machine Hours	5001	4014	---	---
Oil Hours	963	4014	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
 13001 W SILVERE SPRING DR
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OIL CONDITION

Visc @ 40°C	cSt	43.4	42.6	---	---
Acid Number (AN)	mg KOH/g	0.29	0.26	---	---



CONTAMINATION

Particles >4µm		---	1203	---	---
Particles >6µm		---	302	---	---
Particles >14µm		---	17	---	---
ISO 4406:1999 (c)		---	17/15/11	---	---
Silicon	ppm	2	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris 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	---	---
Copper	ppm	3	2	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

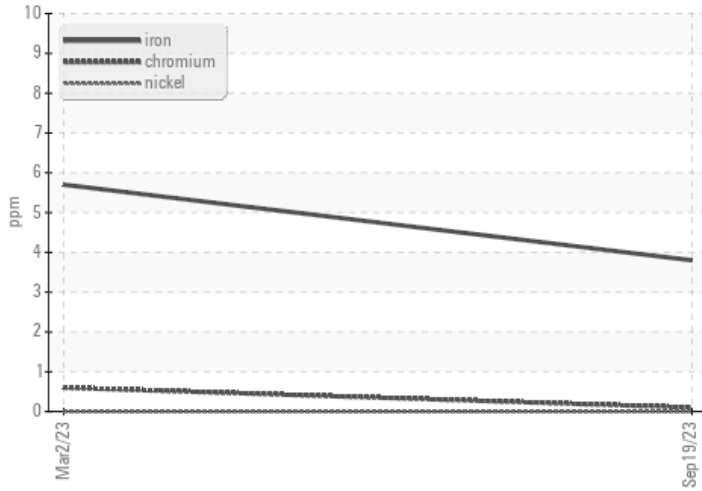
Calcium	ppm	73	65	---	---
Magnesium	ppm	7	6	---	---
Zinc	ppm	424	427	---	---
Phosphorus	ppm	346	320	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0069
Unique No: 10662406
Signed: Don Baldrige
Report Date: 27 Sep 2023

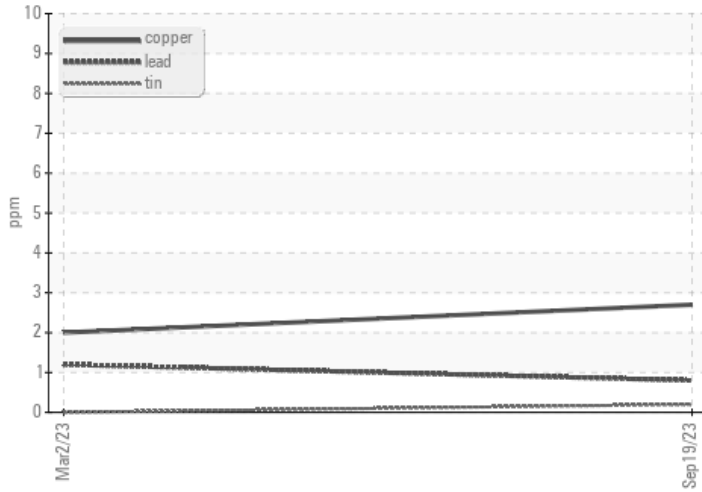


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

