



# CONSTRUCTION EQUIPMENT

## 703489 IHFT SENNEBOGEN 830R 2296 - HYDRAULIC SYSTEM



**Sample No:** VCP454547  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 703489 IHFT



### SAMPLE INFORMATION

Sample Number	VCP454547	VCP399392	---	---
Sample Date	24 May 2024	09 Feb 2023	---	---
Machine Hours	3753	619	---	---
Oil Hours	3753	2000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
56195 PONTIAC TRAIL  
NEW HUDSON, MI  
US 48165  
Contact: PAUL CONZ  
paul.conz@altg.com  
T: (313)348-8861  
F: (248)356-2029



### OIL CONDITION

Visc @ 40°C	cSt	43.3	43.2	---	---
Acid Number (AN)	mg KOH/g	1.25	0.77	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		27076	27250	---	---
Particles >6µm		3470	6430	---	---
Particles >14µm		77	399	---	---
ISO 4406:1999 (c)		22/19/13	22/20/16	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	0	1	---	---

### Diagnosis

No corrective action is recommended at this time. 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 high amount of silt (particulates < 14 microns in size) 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	1	3	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	88	109	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	1225	1048	---	---
Magnesium	ppm	24	58	---	---
Zinc	ppm	722	713	---	---
Phosphorus	ppm	712	641	---	---
Barium	ppm	0	2	---	---
Boron	ppm	7	22	---	---

**Depot:** VOLVO2990  
**Unique No:** 11048880  
**Signed:** Angela Borella  
**Report Date:** 30 May 2024

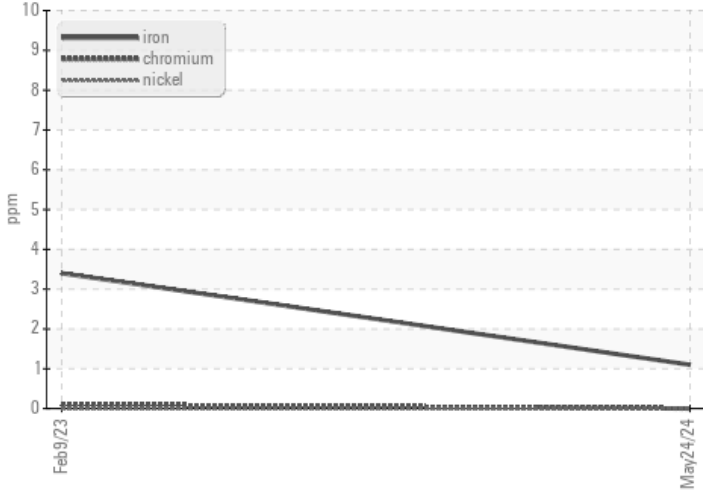


# CONSTRUCTION EQUIPMENT

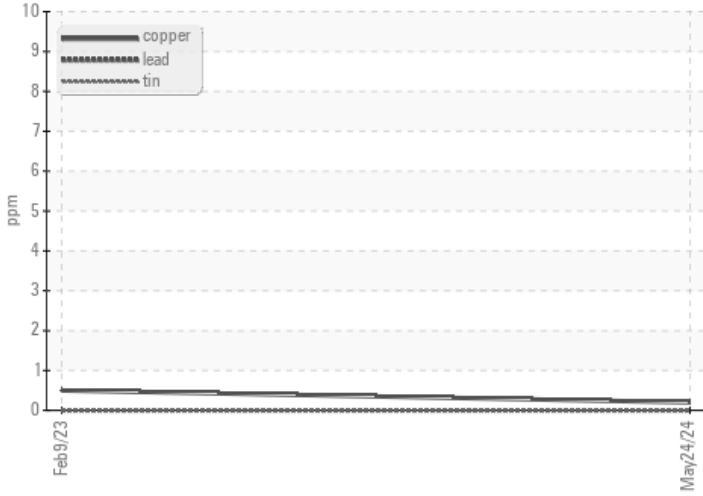


## GRAPHS

### Ferrous Alloys



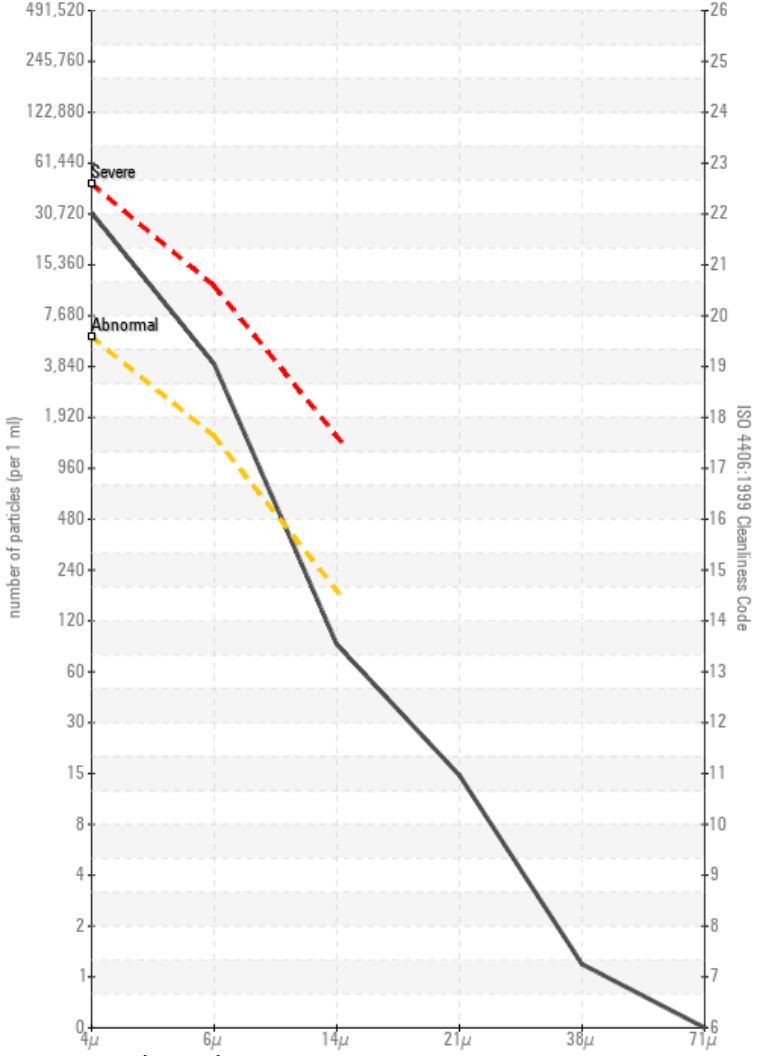
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

